



0061543

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P.O. Box 550
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04-OES-0046

MAR 30 2004

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Addressees:

HANFORD FACILITY RESOURCE CONSERVATION AND RECOVERY ACT (RCRA)
PERMIT RENEWAL

In accordance with Washington Administrative Code (WAC) 173-303-806(6) Reapplications, relevant documentation is being submitted for renewal of the RCRA Permit (Permit), WA7890008967. The State of Washington Department of Ecology (Ecology), the U.S. Department of Energy (DOE), and the Hanford Site contractors, as the co-operators, have worked together over the past year to establish the scope and content of this renewal application. The renewal application consists primarily of documentation maintained within the existing Permit. This renewal application consists of: (1) Permit attachments that serve as a basis for performing operations on the Hanford Site, and (2) unit-specific Permit renewal checklists that identify the location of Permit documentation within the existing Permit attachments.

The following Permit attachments, which are already in your possession, are part of this reapplication and are not contained in this package:

- HF RCRA Permit, Attachment 1, Hanford Federal Facility Agreement and Consent Order
- HF RCRA Permit, Attachment 4, Hanford Emergency Management Plan (DOE/RL-94-02)
- HF RCRA Permit, Attachment 5, Purgewater Management Plan
- HF RCRA Permit, Attachment 6, Hanford Well Maintenance and Inspection Plan
- HF RCRA Permit, Attachment 7, Policy on Remediation of Existing Wells and Acceptance Criteria for RCRA and CERCLA
- HF RCRA Permit Attachment 47, 100-NR-1 Corrective Action

Addressees
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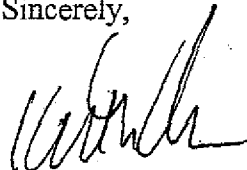
MAR 30 2004

Enclosure 1 provides Permit Renewal Checklists for the following units:

- Attachment 18: 305-B Storage Facility
- Attachment 28: PUREX Storage Tunnels
- Attachment 31: 300 Area Process Trenches
- Attachment 33: Hanford Facility Dangerous Waste Permit Application, General Information Portion (DOE/RL-91-28)
- Attachment 34: 200 Area Effluent Treatment Facility and Liquid Effluent Retention Facility
- Attachment 35: 242-A Evaporator
- Attachment 36: 325 Hazardous Waste Treatment Units
- Attachment 37: 183-H Solar Evaporation Basins
- Attachment 41: 1301-N and 1325-N Liquid Waste Disposal Facilities
- Attachment 42: 1324-N Surface Impoundment and 1324-NA Percolation Pond
- Attachment 51: Hanford Tank Waste Treatment and Immobilization Plant

Enclosure 2 contains relevant certification statements for the Permit renewal application. If you have any questions, please contact Joel Hebdon, Director, Office of Environmental Services, on (509) 376-6657.

Sincerely,



Keith A. Klein
Manager

OES:ACM

Enclosures

cc: See page 3

Addressees
04-OES-0046

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cc w/encls:

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Enclosure

Permit Renewal Checklists

Part III: Operating Units Checklist

24-Feb-04

**Permit Attachment 18
305-B Storage Facility**

The following Hanford Facility RCRA Permit (Permit) documentation is referenced below for the 305-B Storage Facility.

Permit Attachment 18

Chapter 1.0	Part A	Dated September 30, 2002
Chapter 2.0	Unit Description	Dated December 31, 2003
Chapter 3.0	Waste Analysis Plan	Dated September 30, 2003
Chapter 4.0	Process Information	Dated December 31, 2003
Chapter 6.0	Procedures to Prevent Hazards	Dated December 31, 2003
Chapter 7.0	Building Emergency Procedure	Dated December 31, 2003
Chapter 8.0	Personnel Training	Dated September 30, 2003
Chapter 11.0	Closure and Financial Assurance	Dated December 31, 2003

Permit Attachment 4

DOE/RL-94-02, Hanford Emergency Management Plan, Release #24, dated August 11, 2003.

Permit Attachment 33

DOE/RL-91-28, General Information Portion, dated February 2004.

Section/Requirement		Location in Permit Attachment 18	Alternate Location
A.	Part A Form 806(2), 810(12)(a), 810(13) [270.10(d), 270.11(a) and (d), 270.13]	Chapter 1.0	
B	Facility Description and General Provisions 806(4)(a)(i),(x),(xi),(xviii) [270.14(b)(1),(10),(19)]	Chapter 2.0	
B-1	General Description 806(4)(a)(i) [270.14(b)(1)]	Chapter 2.0, §2.1	
B-1(a)	Facility Description	Chapter 2.0, §2.1	
B-1(b)	Construction Schedule	N/A	
B-2	Topographic Map	Chapter 2.0, §2.2	
B-2a	General Requirements 806(4)(a)(xviii) [270.14(b)(19)]	Chapter 2.0, §2.2.1, Figure 2.3	Permit Attachment 33, DOE/RL-91-28 § 2.2.1
B-2b	Additional Requirements for Land Disposal Facilities	N/A	
B-3	Seismic Consideration 806(4)(a)(xi) [270.14(b)(11)(i) and (ii), 264.18(a)]		Permit Attachment 33, DOE/RL-91-28 § 2.3
B-4	Traffic Information 806(4)(a)(x) [270.14(b)(10)]		Permit Attachment 33, DOE/RL-91-28 § 2.4
C.	Waste Analysis 806(4)(a)(ii) and (iii), 300 [270.14(3), 264.13(b) and (c)]	Chapter 3.0	
C-1	Chemical, Biological and Physical Analyses 806(4)(a)(ii), 806(4)(b)(ii) and (v); 806(4)(c)(x); 140; 300; 395; 630(7)(c) and (9); 640(1)(b), (2)(c), (3)(a), and (10) [270.14(b)(2), 264.13(a), 268.7, 268.9]	Chapter 3.0, §3.1	
C-1a	Waste In Piles	N/A	
C-1b	Landfilled Wastes	N/A	
C-1c	Wastes Incinerated and Wastes Used in Performance Tests	N/A	

Section/Requirement	Location in Permit Attachment 18	Alternate Location
C-2 Waste Analysis Plan 806(4)(a)(iii), 140, 300(5) and (6) [270.14(b)(3), 264.13(b) and (c), 268.7 and 268.9]	Chapter 3.0, §3.2	
C-2a Detailed Chemical, Physical, and/or Biological Analysis	Chapter 3.0, §3.3	
C-2a(1) Parameters and Rationale 806(4)(b)(ii)(A); 140 (LDR); 300(2), (5)(a), and (5)(f); 395(1) and (2); 630(7)(c); 640(1)(b), (2)(c) and (3)(a) [270.15(b)(1), 270.24, 270.25, 264.13(b)(1) and (8), 264.17, 264.191(b)(2), 264.192(a)(2), 264.1034(d), 264.1064(d), 268.7]	Chapter 3.0, §3.3	
C-2a(2) Analytical Methods 110, 300(5)(b) [264.13(b)(2) and (8), Part 264 Subparts AA, BB, and CC]	Chapter 3.0, §3.3, § 3.4	
C-2a(3) Generator-Supplied Analyses 300(3), (5)(g), and (e) [264.13(b)(5)]	Chapter 3.0, §3.3, §3.7	
C-2b Additional Requirements for Wastes Generated Off-site 806(4)(a)(iii), 300(6) [264.13(c)]	Chapter 3.0, §3.7	
C-2b(1) Parameters and Rationale to Confirm Identity of Off-site Waste 300(3), (5)(a), and 5(g) [264.13(a)(4) and (b)(1)]	Chapter 3.0, §3.3.1, §3.7	
C-2b(2) Analytical Methods to Confirm Identity of Off-site Waste 300(3) and (5)(b) [264.13(b)(2)]	Chapter 3.0, §3.3.1, §3.7	
C-2b(3) Representative Sampling of Incoming Offsite Wastes 300(3) and (5)(c), 110(2) [264.13(b)(3), Part 261, Appendix I]	Chapter 3.0, §3.4, § 3.7	
C-2c Methods for Collecting Samples for Detailed and Confirming Analyses 300(5)(c), 110(2) [264.13(b)(3), 264.1034(d), Part 261, Appendix I]	Chapter 3.0, §3.5	
C-2d Frequency of Analyses 300(4), (5)(d) [264.13(b)(4)]	Chapter 3.0, §3.6	
C-3 Manifest System 370 [264.71, 264.72]	Chapter 2.0, §2.5	
C-3a Procedures for Receiving Shipments 370(2), (3), (4) [264.71]	Chapter 2.0, §2.5.1	
C-3b Response to Significant Discrepancies 370(4) [264.72]	Chapter 2.0, §2.5.2	
C-3c Provisions for Non-acceptance of Shipment 370(5)	Chapter 2.0, §2.5.3	
C-3c(1) Non-acceptance of Undamaged Shipment 370(5)(b)	Chapter 2.0, §2.5.3	
C-3c(2) Activation of Contingency Plan for Damaged Shipment 370(5)(c)	Chapter 2.0, §2.5.3	
C-4 Tracking System 380	Chapter 3.0, §3.2.2	
D. Process Information 806(4)(b) - (c), 630 through 670 [270.15 - 270.26, 264 Subparts I - BB]	Chapter 4.0	

Section/Requirement	Location in Permit Attachment 18	Alternate Location
D-1 Containers 806(4)(b), 630 [270.15, 264 Subpart I]	Chapter 4.0, §4.1	
D-1a Description of Containers 630(4) [264.172]	Chapter 4.0, §4.1.1.1	
D-1b Container Management Practices 630(5) and (8); 340(3) [264.35, 264.173]	Chapter 4.0, §4.1.1.2	
D-1c Container Labelling 806(4)(b)(iii), 395(6), 630(3)	Chapter 3.0, §3.1.1.2	
D-1d Containment Requirements for Storing Containers	Chapter 4.0, §4.1.1	
D-1d(1) Secondary Containment System Design 806(4)(b)(i) and (iv), 630(7) [270.15(a); 264.175(a), (b), and (d)]	Chapter 4.0, §4.1.1.3	
D-1d(1)(a) System Design 806(4)(b)(i), 630(7) (a) and (d) [270.15(a), 264.175(b)]	Chapter 4.0, §4.1.1.3	
D-1d(1)(b) Structural Integrity of Base 806(4)(b)(i), 630(7)(a) [270.15(a), 264.175(b)]	Chapter 4.0, §4.1.1.4, §4.1.1.5	
D-1d(1)(c) Containment System Capacity 806(4)(b)(i)(A) and (C), 630(7)(a) [270.15(a)(3), 264.175(b)(3)]	Chapter 4.0, §4.1.1.6	
D-1d(1)(d) Control of Run-on 806(4)(b)(i)(D), 630(7)(b) [270.15(a)(4), 264.175(b)(4)]	Chapter 4.0, §4.1.1.7	
D-1d(2) Removal of Liquids from Containment System 806(4)(b)(i)(E), 630(7)(a)(ii) [270.15(a)(5), 264.175(b)(5)]	Chapter 4.0, §4.1.1.8	
D-1e Demonstration that Containment Is Not Required Because Containers Do Not Contain Free Liquids, Wastes That Exhibit Ignitability or Reactivity, or Wastes Designated F020 - 023, F026, or F027 806(4)(b)(ii), 630(7)(c) [270.15(b)(2), 264.175(c)]	N/A	
D-1f Prevention of Reaction of Ignitable, Reactive, and Incompatible Wastes in Containers	Chapter 4.0, §4.3	
D-1f(1) Management of Certain Reactive Wastes in Containers 806(4)(b)(iv), 630(8)(a) [270.15(c), 264.176]	Chapter 4.0, §4.3.1	
D-1f(2) Management of Ignitable and Certain Other Reactive Wastes in Containers 806(4)(b)(iv), 630(8)(b) [270.15(c), 264.176]	Chapter 4.0, §4.3.1	
D-1f(3) Design of Areas to Manage Incompatible Wastes 806(4)(b) (iv), 630(9)(c) [270.15(c), 264.177]	Chapter 4.0, §4.3.2	
D-2 Tank Systems 806(4)(c), 640, 395(6) [270.16, 264.190 through 264.199, 264.1030 through 264.1065]	N/A	
D-2a Design, Installation and Assessment of Tank Systems 806(4)(c)(i),(ii),(v), and (vi), 640(2) and (3) [270.16(a), (b), (e), and (f), 264.191, 264.192]	N/A	
D-2a(1) Design Requirements 640(2)(c), (3)(a) [264.191(b), 264.192(a)]	N/A	

Part III: Operating Units Checklist

24-Feb-04

Permit Attachment 18
305-B Storage Facility

Section/Requirement	Location in Permit Attachment 18	Alternate Location
D-2a(2) Integrity Assessments 640(2)(a),(c) and (e); (3)(a),(b) and (g) [264.191(a) and (b) 264.192(a),(b), and (g)]	N/A	
D-2a(3) Additional Requirements for Existing Tanks 640(2)(a) and (c)(v) [264.191(a) and (b)(5)]	N/A	
D-2a(4) Additional Requirements for New Tanks 640(3)(c), (e), (f) and (g) [264.192(b), (d), and (e)]	N/A	
D-2a(5) Additional Requirements for New Onground or Underground Tanks 640(3)(a)(iii), (iv), and (v); 640(3)(d) [264.192(a)(3),(4), and (5), and (c)]	N/A	
D-2b Secondary Containment and Release Detection for Tank Systems 640(4), 806(4)(c)(vii) [270.16(g), 264.193]	N/A	
D-2b(1) Requirements for All Tank Systems	N/A	
D-2b(2) Additional Requirements for Specific Types of Systems	N/A	
D-2b(2)(a) Vault Systems 640(4)(e)(ii) [264.193(e)(2)]	N/A	
D-2b(2)(b) Double-walled Tanks 640(4)(e)(iii) [264.193(e)(3)]	N/A	
D-2b(2)(c) Ancillary Equipment 640(4)(f) [264.193(f)]	N/A	
D-2c Variances from Secondary Containment Requirements 640(4)(g) and (h), 640(1)(b) and 806(c)(viii) [270.16(h), 264.193(g) and (h), 264.190(a)]	N/A	
D-2d Tank Management Practices 806(4)(c)(iii),(iv),(ix); 640(5)(a) and (b) [270.16(c),(d), and (i), 264.194(a) and (b)]	N/A	
D-2e Labels or Signs 806(4)(c)(xi), 395(6), 640(5)(d)	N/A	
D-2f Air Emissions 806(4)(c)(xii), 640(5)(e)	N/A	
D-2g Management of Ignitable or Reactive Wastes in Tank Systems 806(4)(c)(x), 640(9) [270.16(f), 264.198]	N/A	
D-2h Management of Incompatible Wastes in Tank Systems 806(4)(c)(x), 640(10) [270.16(f), 264.199]	N/A	
D-3 Waste Piles	N/A	
D-4 Surface Impoundments	N/A	
D-5 Incinerators	N/A	
D-6 Landfills	N/A	
D-7 Land Treatment	N/A	
D-8 Air Emissions Control 806(4)(j) and (k), 110 (test methods), 690, 691 [270.24, 270.25, Part 264 Subparts AA, BB, and CC]	Chapter 3.0, §3.3.3	
D-8a Process Vents 806(4)(j), 110, 690 [270.24, 264.1030 - 264.1035 (Subpart AA)]	N/A	

Section/Requirement		Location in Permit Attachment 18	Alternate Location
D-8b	Equipment Leaks 806(4)(k), 110, 691 [270.25, 264.1050 - 264.1064, 264.1033, 264.1034(c), 264.1035(b) and (c)]	N/A	
D-8c	Tanks and Containers [270.27, 270.15, 270.16, Part 264 Subpart CC]	Chapter 3.0, § 3.3.3	
D-8c(1)	Applicability of Subpart CC Standards [264.1080, 264.1082]	Chapter 3.0, §3.3.3	
D-8c(2)	Tank Systems and Container Areas- Demonstrating Compliance Provide the documentation required by •270.27(a)(1) - (a)(3) and (a)(5) - (a)(6).	Chapter 3.0, §3.3.3	
D-9	Waste Minimization [264.73(b)(9), 264.75(h) and (i)]		Permit Attachment 33, DOE/RL-91-28, Table 12.1
D-10	Groundwater Monitoring for Land-based Units	N/A	
E.	Releases from Solid Waste Management Units 806(4)(a)(xxiii) and (xxiv), 645, 646 [270.14(d)]	N/A	Permit Attachment 33, DOE/RL-91-28, §2.5, & Appendix 2D
E-1	Solid Waste Management Units and Known and Suspected Releases of Dangerous Wastes or Constituents	N/A	Permit Attachment 33, DOE/RL-91-28, §2.5, & Appendix 2D
E-2	Corrective Actions Implemented (If you have been conducting corrective action under a RCRA Section 3008(h), 7003, or 3013 order; under a Model Toxics Control Act (MTCA) order; as an independent MTCA cleanup; or under another authority.)	N/A	
F.	Procedures to Prevent Hazards 806(4)(a)(iv),(v),(vi),(viii),(ix), 310, 320, 340 [270.14(b)(4),(5),(6),(8); 264.14, 264.15, 264.17, 264.30 - 264.35]	Chapter 6.0	
F-1	Security 806(4)(a)(iv), 310(1) and (2) [270.14(b)(4), 264.14]	Chapter 6.0, §6.1	
F-1a	Security Procedures and Equipment 806(4)(a)(iv), 310(2) [270.14(b)(4), 264.14]	Chapter 6.0, §6.1.1	
F-1b	Waiver 310(1) [264.14(a)]	N/A	
F-2	Inspection Plan 806(4)(a)(v), 320, 340 [270.14(b)(5), 264.15]	Chapter 6.0, §6.2	
F-2a	General Inspection Requirements 806(4)(a)(v), 320(1), 320(2)(a),(b) and (c), 340(1)(d) [270.14(b)(5), 264.15(a) and (b), 264.33, 264.34, 264.35]	Chapter 6.0, §6.2.1	
F-2b	Inspection Log 320(2)(d) [264.15(d)]	Chapter 6.0, §6.2.1	
F-2c	Schedule for Remedial Action for Problems Revealed 320(3) [264.15(c)]	Chapter 6.0, §6.2.1	
F-2d	Specific Process or Waste Type Inspection Requirements	Chapter 6.0, §6.2.2	
F-2d(1)	Container Inspections 806(4)(a)(v), 630(3) and (6), 320(2)(c) and (3) [270.14(b)(5), 264.15(c), 264.174]	Chapter 6.0, §6.2.2.1	

Section/Requirement		Location in Permit Attachment 18	Alternate Location
F-2d(2)	Tank System Inspections and Corrective Actions 640(6) and (7) [270.14(b)(5), 264.195]	N/A	
F-2d(3)	Storage of Ignitable or Reactive Wastes 806(4)(a)(v), 395(1)(d) [no equivalent federal requirement]	Chapter 6.0, §6.2.1.1	
F-2d(4)	Air Emissions Control and Detection - Inspections, Monitoring, and Corrective Actions 806(4)(a)(v) [270.14(b)(5), 264.1033 (e) - (k); 264.1035; 264.1052; 264.1053; 264.1058; 264.1064; 264.1067, 264.1088, 264.1091]	Chapter 6.0, §6.2.1.1	
F-2d(4)(a)	Process Vents 806(4)(a)(v) [264.1033; 264.1034(b) and (c); 264.1035(b)(3), (b)(4), and (c)]	N/A	
F-2d(4)(b)	Equipment Leaks 806(4)(a)(v) [264.1052 - 264.1064]	N/A	
F-2d(4)(c)	Tanks and Containers [270.14(b)(5), 270.27((a)(6), 264.1088, 264.1091]	Chapter 6.0, §6.2.1.1	
F-2d(5)	Waste Pile Inspection	N/A	
F-2d(6)	Surface Impoundment Inspection	N/A	
F-2d(7)	Incinerator Inspection	N/A	
F-2d(8)	Landfill Inspection	N/A	
F-2d(9)	Land Treatment Facility Inspection	N/A	
F-3	Preparedness and Prevention Requirements 806(4)(a)(vi), 340 [270.14(b)(6), Part 264 Subpart C]	Chapter 6.0, §6.3	
F-3a	Equipment Requirements 340(1) and (2) [264.32, 264.34]	Chapter 6.0, §6.3.1	Permit Attachment 4, DOE/RL-94-02, Appendix C
F-3b	Aisle Space Requirement 340(3) [264.35]	Chapter 6.0, §6.3.2	
F-4	Preventive Procedures, Structures, and Equipment 806(4)(a)(viii) [270.14(b)(8)]	Chapter 6.0, §6.4	
F-5	Prevention of Reaction of Ignitable, Reactive, and/or Incompatible Wastes 806(4)(a)(ix), (b)(v), and (c)(x); 395(1)(a), (b) and (c); 630(9)(a) and (b); 640(9)(10) [270.14(b)(9), 264.17(a) and (b), 264.177(a) and (b)]	Chapter 6.0, §6.5	
F-5a	Precautions to Prevent Ignition or Reaction of Ignitable or Reactive Waste 806(4)(a)(ix), 395(1)(a) and (c) [270.14(b)(9), 264.17(a)]	Chapter 6.0, §6.5.1	
F-5b	Precautions for Handling Ignitable or Reactive Waste and Mixing Incompatible Wastes 806(4)(a)(ix), (b)(v), and (c)(x); 395(1)(b) and (c); 630(9)(a) and (b); 640(9) and (10) [270.14(b)(9), 264.17(b), 264.177(a) and (b)]	Chapter 6.0, §6.5.2	
F-5b(1)	Ignitable or Reactive Wastes In Tanks 806(4)(c)(x), 640(9) [270.16(j), 264.198]	N/A	
F-5b(2)	Incompatible Wastes In Containers or Tanks 806(4)(b)(v) and (4)(c)(x), 630(9) (a) and (b), 640(10) [270.15(d), 270.16(j) 264.17(b) and (c), 264.177(a) and (b), 264.199]	Chapter 6.0, §6.5.2	

Section/Requirement		Location in Permit Attachment 18	Alternate Location
G.	Contingency Plan 806(4)(a)(vii), 340, 350, 360, 640(7), 650(5), 660(6) [270.14(b)(7), 264.50 through 264.56]	Chapter 7.0	
G-1	General Information	Chapter 7.0, §7.1	
G-2	Emergency Coordinators 350(3)(d), 360(1) [264.52(d), 264.55]	Chapter 7.0, §7.3	
G-3	Circumstances Prompting Implementation 350(1) and (2), 360(2) [264.51, 264.52(a), 264.56(a) and (b)]	Chapter 7.0, §7.4	
G-4	Emergency Response Procedures 350(3)(a) and (b), 360(2)(a),(b), and (c) [264.52(a), 264.56]	Chapter 7.0, §7.6	
G-4a	Notification 360(2)(a) [264.56(a)] Note that the facility must also notify under WAC 173-303-145.	Chapter 7.0, §7.3.1, §7.3.2.4, and §7.6.1.6.2	
G-4b	Identification of Dangerous Materials 360(2)(b) [264.56(b)]	Chapter 7.0, §7.3.1 and §7.6.1.6.2	
G-4c	Hazard Assessment and Report 360(2)(c),(d), and (e) [264.56(c) and (d)]	Chapter 7.0, §7.3.1 and §7.6.1.6.2	
G-4d	Prevention of Recurrence or Spread of Fires, Explosions, or Releases 360(2)(f) and (g), 630(2), 640(7) [264.56(e) and (f), 264.171, 264.196]	Chapter 7.0, §7.3.1 and §7.4	
G-4f	Post-Emergency Actions 360(2)(h),(i),(j), and (k); 640(7) [264.56(g) and (h)]	Chapter 7.0, §7.9.3	
G-5	Emergency Equipment 350(3)(e) [264.52(e)]	Chapter 7.0, §7.10	
G-6	Coordination Agreements 350(3)(c), 340(4) [264.52(c), 264.37]	Chapter 7.0, §7.2.1	Permit Attachment 4, DOE/RL-94-02, Table 3-1.
G-7	Evacuation Plan 350(3)(f), 355 [264.52(f)]	Chapter 7.0, §7.11, §7.12.2, and §7.12.3	
G-8	Required Reports, Recordkeeping, and Certifications 360(2)(k), 640(7)(d)(iii), 640(7)(f) [264.56(j)]	Chapter 7.0, §7.9.4	
G-8a	General Requirements	Chapter 7.0, §7.9.4	
G-8b	Requirements for Tank Systems	N/A	
H.	Personnel Training 806(4)(a)(xii), 330 [270.14(b)(12), 264.16]	Chapter 8.0	Permit Attachment 33, DOE/RL-91-28, § 8.0
H-1	Job Title/Job Description 330(2)(a) [264.16(d)(1) and (2)]	Chapter 8.0, §8.3	
H-2	Outline of Training Program 806(4)(a)(xii), 330(1) and (2)(b) [270.14(b)(12); 264.16(a)(1),(c), and (d)(3)]	Chapter 8.0, §8.1	
H-3	Implementation of Training Program 330(1)(c), 330(2)(c), 330(3) [264.16(b)]	Chapter 8.0, §8.1	
I.	Closure and Financial Assurance 806(4)(a)(xiii), 610, 620 [270.14(b)(15), 264.142, 264.143, 264.151]	Chapter 11.0	
I-1	Closure Plan/Financial Assurance for Closure 806(4)(a)(xiii), 610(2) - (6) [270.14(b)(13), 264.111, 264.112]	Chapter 11.0, §11.1	

Section/Requirement		Location in Permit Attachment 18	Alternate Location
I-1a	Closure Performance Standard 610(2)(b) [264.111]	Chapter 11.0, §11.1.1	
I-1b	Closure Activities 610(3)(a)(i) through (vi); 610(5); 630(10); 640(5) [264.112(b)(1), 264.112(b)(4), 264.114, 264.178, 264.197]	Chapter 11.0, §11.1.2	
I-1b(1)	Maximum Extent of Operation	Chapter 11.0, §11.1.2	
I-1b(2)	Removing Dangerous Wastes	Chapter 11.0, §11.1.4.1	
I-1b(3)	Decontaminating Structures, Equipment, and Soil	Chapter 11.0, §11.1.4.2	
I-1b(4)	Sampling and Analysis to Identify Extent of Decontamination/ Removal and to Verify Achievement of Closure Standard	Chapter 11.0, §11.1.4.4	
I-1b(4)(a)	Sampling to Confirm Decontamination of Structures and Soils	Chapter 11.0, §11.1.4.4	
I-1b(5)	Other Activities 610(3)(vi)		
I-1c	Maximum Waste Inventory 610(3)(a)(iii) [264.112(b)(3)]	Chapter 11.0, §11.1.3	
I-1d	Closure of Waste Piles, Surface Impoundments, Incinerators, Land Treatment, and Miscellaneous Units	N/A	
I-1e	Closure of Landfill Units	N/A	
I-1f	Schedule for Closure 610(3)(a)(vii) [264.112(b)(6)]	Chapter 11.0, §11.1.6	
I-1g	Extension for Closure Time 610(4)(a), 610(4)(b) [264.113(a), 264.113(b)]	Chapter 11.0, §11.1.7	
I-1h	Closure Cost Estimate 806(4)(a)(xv), 620(3) [270.14(b)(15), 264.142]		Permit Condition II.H.1
I-1i	Financial Assurance Mechanism for Closure 806(4)(a)(xv), 620(4) and (10) [270.14(b)(15), 264.143, 264.151]		Permit Condition II.H.3
I-2	Notice in Deed of Already Closed Disposal Units 806(4)(a)(xiv), 610(10) [270.14(b)(14), 264.120, 264.117(c), 264.119]	N/A	
I-3	Post-Closure Plan	N/A	
I-4	Liability Requirements 806(4)(a)(xvii), 620(8), 620(10) [270.14(b)(17), 264.147, 264.151]		Permit Condition II.H.3.
J.	Other Federal and State Laws 806(4)(a)(xix) [270.14(b)(20), 270.3]	Refer to endnote ⁱ	
K.	Part B Certification 806(4)(a), 810(12) and (13) [270.11]		Provided with renewal transmittal

ⁱ This information was provided in the initial unit-specific permit application documentation. Ecology reviewed the information and determined the information was not required for the unit-specific documentation of the Permit, therefore the information is not being re-submitted for this Permit renewal.

The following Hanford Facility RCRA Permit (Permit) documentation is referenced below for the PUREX Storage Tunnels.

Permit Attachment 28

Chapter 1.0	Part A	Dated December 31, 2003
Chapter 2.0	Unit Description	Dated December 31, 2003
Chapter 3.0	Waste Analysis Plan	Dated December 31, 2003
Chapter 4.0	Process Information	Dated December 31, 2003
Chapter 6.0	Procedures to Prevent Hazards	Dated December 31, 2003
Chapter 7.0	Contingency Plan	Dated December 31, 2003
Chapter 8.0	Personnel Training	Dated September 30, 2002
Chapter 10.0	Waste Minimization	Dated September 30, 2002
Chapter 11.0	Closure and Financial Assurance	Dated December 31, 2003

Permit Attachment 4

DOE/RL-94-02, Hanford Emergency Management Plan, Release #24, dated August 11, 2003.

Permit Attachment 33

DOE/RL-91-28, General Information Portion, dated February 2004.

Section/Requirement		Location in Permit Attachment 28	Alternate Location
A.	Part A Form 806(2), 810(12)(a), 810(13) [270.10(d), 270.11(a) and (d), 270.13]	Chapter 1.0	
B	Facility Description and General Provisions 806(4)(a)(i),(x),(xi),(xviii) [270.14(b)(1),(10),(19)]	Chapter 1.0, Chapter 2.0	
B-1	General Description 806(4)(a)(i) [270.14(b)(1)]	Chapter 1.0, Chapter 2.0	
B-1(a)	Facility Description	Chapter 1.0, Chapter 2.0	
B-1(b)	Construction Schedule	N/A	
B-2	Topographic Map	Chapter 2.0, §2.2	
B-2a	General Requirements 806(4)(a)(xviii) [270.14(b)(19)]	Chapter 2.0	Permit Attachment 33, DOE/RL-91-28, §2.2.1
B-2b	Additional Requirements for Land Disposal Facilities	N/A	
B-3	Seismic Consideration 806(4)(a)(xi) [270.14(b)(11)(i) and (ii), 264.18(a)]	N/A	Permit Attachment 33, DOE/RL-91-28, §2.3
B-4	Traffic Information 806(4)(a)(x) [270.14(b)(10)]	N/A	Permit Attachment 33, DOE/RL-91-28, §2.4
C.	Waste Analysis 806(4)(a)(ii) and (iii), 300 [270.14(3), 264.13(b) and (c)]	Chapter 3.0	
C-1	Chemical, Biological and Physical Analyses 806(4)(a)(ii), 806(4)(b)(ii) and (v); 806(4)(c)(x); 140; 300; 395; 630(7)(c) and (9); 640(1)(b), (2)(c), (3)(a), and (10) [270.14(b)(2), 264.13(a), 268.7, 268.9]	Chapter 3.0, §3.1	
C-1a	Waste In Piles	N/A	
C-1b	Landfilled Wastes	N/A	
C-1c	Wastes Incinerated and Wastes Used in Performance Tests	N/A	

Part III: Operating Units Checklist

24-Feb-04

**Permit Attachment 28
PUREX Storage Tunnels**

Section/Requirement		Location in Permit Attachment 28	Alternate Location
C-2	Waste Analysis Plan 806(4)(a)(iii), 140, 300(5) and (6) [270.14(b)(3), 264.13(b) and (c), 268.7 and 268.9]	Chapter 3.0	
C-2a	Detailed Chemical, Physical, and/or Biological Analysis	Chapter 3.0	
C-2a(1)	Parameters and Rationale 806(4)(b)(ii)(A); 140 (LDR); 300(2), (5)(a), and (5)(f); 395(1) and (2); 630(7)(c); 640(1)(b), (2)(c) and (3)(a) [270.15(b)(1), 270.24, 270.25, 264.13(b)(1) and (8), 264.17, 264.191(b)(2), 264.192(a)(2), 264.1034(d), 264.1064(d), 268.7]	Chapter 3.0	
C-2a(2)	Analytical Methods 110, 300(5)(b) [264.13(b)(2) and (8), Part 264 Subparts AA, BB, and CC]	Chapter 3.0	
C-2a(3)	Generator-Supplied Analyses 300(3), (5)(g), and (e) [264.13(b)(5)]	Chapter 3.0	
C-2b	Additional Requirements for Wastes Generated Off-site 806(4)(a)(iii), 300(6) [264.13(c)]	N/A	
C-2b(1)	Parameters and Rationale to Confirm Identity of Off-site Waste 300(3), (5)(a), and 5(g) [264.13(a)(4) and (b)(1)]	N/A	
C-2b(2)	Analytical Methods to Confirm Identity of Off-site Waste 300(3) and (5)(b) [264.13(b)(2)]	N/A	
C-2b(3)	Representative Sampling of Incoming Offsite Wastes 300(3) and (5)(c), 110(2) [264.13(b)(3), Part 261, Appendix I]	N/A	
C-2c	Methods for Collecting Samples for Detailed and Confirming Analyses 300(5)(c), 110(2) [264.13(b)(3), 264.1034(d), Part 261, Appendix I]	Chapter 3.0	
C-2d	Frequency of Analyses 300(4), (5)(d) [264.13(b)(4)]	Chapter 3.0	
C-3	Manifest System 370 [264.71, 264.72]	N/A	
C-3a	Procedures for Receiving Shipments 370(2),(3),(4) [264.71]	N/A	
C-3b	Response to Significant Discrepancies 370(4) [264.72]	N/A	
C-3c	Provisions for Non-acceptance of Shipment 370(5)	N/A	
C-3c(1)	Non-acceptance of Undamaged Shipment 370(5)(b)	N/A	
C-3c(2)	Activation of Contingency Plan for Damaged Shipment 370(5)(c)	N/A	
C-4	Tracking System 380	Chapter 3.0	
D.	Process Information 806(4)(b) - (c), 630 through 670 [270.15 - 270.26, 264 Subparts I - BB]	Chapter 4.0 (miscellaneous unit)	

Section/Requirement		Location in Permit Attachment 28	Alternate Location
D-1	Containers 806(4)(b), 630 [270.15, 264 Subpart I]	Chapter 4.0, §4.2	
D-1a	Description of Containers 630(4) [264.172]	Chapter 4.0, §4.2	
D-1b	Container Management Practices 630(5) and (8); 340(3) [264.35, 264.173]	Chapter 4.0, §4.2	
D-1c	Container Labeling 806(4)(b)(iii), 395(6), 630(3)	Chapter 4.0, §4.2	
D-1d	Containment Requirements for Storing Containers	Chapter 4.0, §4.2	
D-1d(1)	Secondary Containment System Design 806(4)(b)(i) and (iv), 630(7) [270.15(a); 264.175(a), (b), and (d)]	Chapter 4.0, §4.2	
D-1d(1)(a)	System Design 806(4)(b)(i), 630(7) (a) and (d) [270.15(a), 264.175(b)]	Chapter 4.0, §4.2	
D-1d(1)(b)	Structural Integrity of Base 806(4)(b)(i), 630(7)(a) [270.15(a), 264.175(b)]	Chapter 4.0, §4.2	
D-1d(1)(c)	Containment System Capacity 806(4)(b)(i)(A) and (C), 630(7)(a) [270.15(a)(3), 264.175(b)(3)]	Chapter 4.0, §4.2	
D-1d(1)(d)	Control of Run-on 806(4)(b)(i)(D), 630(7)(b) [270.15(a)(4), 264.175(b)(4)]	Chapter 6.0, §6.4.2	
D-1d(2)	Removal of Liquids from Containment System 806(4)(b)(i)(E), 630(7)(a)(ii) [270.15(a)(5), 264.175(b)(5)]	N/A	
D-1e	Demonstration that Containment Is Not Required Because Containers Do Not Contain Free Liquids, Wastes That Exhibit Ignitability or Reactivity, or Wastes Designated F020 - 023, F026, or F027 806(4)(b)(ii), 630(7)(c) [270.15(b)(2), 264.175(c)]	Chapter 4.0, §4.2	
D-1f	Prevention of Reaction of Ignitable, Reactive, and Incompatible Wastes in Containers	Chapter 4.0, §4.2	
D-1f(1)	Management of Certain Reactive Wastes in Containers 806(4)(b)(iv), 630(8)(a) [270.15(c), 264.176]	Chapter 4.0, §4.2	
D-1f(2)	Management of Ignitable and Certain Other Reactive Wastes in Containers 806(4)(b)(iv), 630(8)(b) [270.15(c), 264.176]	Chapter 4.0, §4.2	
D-1f(3)	Design of Areas to Manage Incompatible Wastes 806(4)(b) (iv), 630(9)(c) [270.15(c), 264.177]	Chapter 4.0, §4.2	
D-2	Tank Systems 806(4)(c), 640, 395(6) [270.16, 264.190 through 264.199, 264.1030 through 264.1065]	N/A	
D-3	Waste Piles	N/A	
D-4	Surface Impoundments	N/A	
D-5	Incinerators	N/A	
D-6	Landfills	N/A	
D-7	Land Treatment	N/A	
D-8	Air Emissions Control 806(4)(j) and (k), 110 (test methods), 690, 691 [270.24, 270.25, Part 264 Subparts AA, BB, and CC]	N/A	

Part III: Operating Units Checklist

24-Feb-04

**Permit Attachment 28
PUREX Storage Tunnels**

Section/Requirement	Location in Permit Attachment 28	Alternate Location
D-8a Process Vents 806(4)(j), 110, 690 [270.24, 264.1030 - 264.1035 (Subpart AA)]	N/A	
D-8b Equipment Leaks 806(4)(k), 110, 691 [270.25, 264.1050 - 264.1064, 264.1033, 264.1034(c), 264.1035(b) and (c)]	N/A	
D-8c Tanks and Containers [270.27, 270.15, 270.16, Part 264 Subpart CC]	N/A	
D-8c(1) Applicability of Subpart CC Standards [264.1080, 264.1082]	N/A	
D-8c(2) Tank Systems and Container Areas- Demonstrating Compliance Provide the documentation required by •270.27(a)(1) - (a)(3) and (a)(5) - (a)(6).	N/A	
D-9 Waste Minimization [264.73(b)(9), 264.75(h) and (i)]	Chapter 10.0	Permit Attachment 33, DOE/RL-91-28, Table 12.1
D-10 Groundwater Monitoring for Land-based Units	N/A	
E. Releases from Solid Waste Management Units 806(4)(a)(xxiii) and (xxiv), 645, 646 [270.14(d)]	N/A	Permit Attachment 33, DOE/RL-91-28, §2.5 Appendix 2D
E-1 Solid Waste Management Units and Known and Suspected Releases of Dangerous Wastes or Constituents	N/A	Permit Attachment 33, DOE/RL-91-28, §2.5 Appendix 2D
E-2 Corrective Actions Implemented (If you have been conducting corrective action under a RCRA Section 3008(h), 7003, or 3013 order; under a Model Toxics Control Act (MTCA) order; as an independent MTCA cleanup; or under another authority.)	N/A	
F. Procedures to Prevent Hazards 806(4)(a)(iv),(v),(vi),(viii),(ix), 310, 320, 340 [270.14(b)(4),(5),(6),(8); 264.14, 264.15, 264.17, 264.30 - 264.35]	Chapter 6.0	
F-1 Security 806(4)(a)(iv), 310(1) and (2) [270.14(b)(4), 264.14]	Chapter 6.0, §6.1	Permit Attachment 33, DOE/RL-91-28, §6.1
F-1a Security Procedures and Equipment 806(4)(a)(iv), 310(2) [270.14(b)(4), 264.14]	Chapter 6.0, §6.1	
F-1b Waiver 310(1) [264.14(a)]	Chapter 6.0, §6.1.2	
F-2 Inspection Plan 806(4)(a)(v), 320, 340 [270.14(b)(5), 264.15]	Chapter 6.0, §6.2	
F-2a General Inspection Requirements 806(4)(a)(v), 320(1), 320(2)(a),(b) and (c), 340(1)(d) [270.14(b)(5), 264.15(a) and (b), 264.33, 264.34, 264.35]	Chapter 6.0, §6.2	
F-2b Inspection Log 320(2)(d) [264.15(d)]	Chapter 6.0, §6.2	
F-2c Schedule for Remedial Action for Problems Revealed 320(3) [264.15(c)]	Chapter 6.0, §6.2	
F-2d Specific Process or Waste Type Inspection Requirements	Chapter 6.0, §6.2	

Section/Requirement	Location in Permit Attachment 28	Alternate Location
F-2d(1) Container Inspections 806(4)(a)(v), 630(3) and (6), 320(2)(c) and (3) [270.14(b)(5), 264.15(c), 264.174]	N/A	
F-2d(2) Tank System Inspections and Corrective Actions 640(6) and (7) [270.14(b)(5), 264.195]	N/A	
F-2d(3) Storage of Ignitable or Reactive Wastes 806(4)(a)(v), 395(1)(d) [no equivalent federal requirement]	Chapter 6.0, §6.5	
F-2d(4) Air Emissions Control and Detection - Inspections, Monitoring, and Corrective Actions 806(4)(a)(v) [270.14(b)(5), 264.1033 (e) - (k); 264.1035; 264.1052; 264.1053; 264.1058; 264.1064; 264.1067, 264.1088, 264.1091]	N/A	
F-2d(4)(a) Process Vents 806(4)(a)(v) [264.1033; 264.1034(b) and (c); 264.1035(b)(3), (b)(4), and (c)]	N/A	
F-2d(4)(b) Equipment Leaks 806(4)(a)(v) [264.1052 - 264.1064]	N/A	
F-2d(4)(c) Tanks and Containers [270.14(b)(5), 270.27((a)(6), 264.1088, 264.1091]	N/A	
F-2d(5) Waste Pile Inspection	N/A	
F-2d(6) Surface Impoundment Inspection	N/A	
F-2d(7) Incinerator Inspection	N/A	
F-2d(8) Landfill Inspection	N/A	
F-2d(9) Land Treatment Facility Inspection	N/A	
F-3 Preparedness and Prevention Requirements 806(4)(a)(vi), 340 [270.14(b)(6), Part 264 Subpart C]	Chapter 6.0, §6.3	
F-3a Equipment Requirements 340(1) and (2) [264.32, 264.34]	Chapter 6.0, §6.3.1	
F-3b Aisle Space Requirement 340(3) [264.35]	Chapter 6.0, §6.3.2	
F-4 Preventive Procedures, Structures, and Equipment 806(4)(a)(viii) [270.14(b)(8)]	Chapter 6.0, §6.4	
F-5 Prevention of Reaction of Ignitable, Reactive, and/or Incompatible Wastes 806(4)(a)(ix), (b)(v), and (c)(x); 395(1)(a), (b) and (c); 630(9)(a) and (b); 640(9)(10) [270.14(b)(9), 264.17(a) and (b), 264.177(a) and (b)]	Chapter 6.0, §6.5	
F-5a Precautions to Prevent Ignition or Reaction of Ignitable or Reactive Waste 806(4)(a)(ix), 395(1)(a) and (c) [270.14(b)(9), 264.17(a)]	Chapter 6.0, §6.5	
F-5b Precautions for Handling Ignitable or Reactive Waste and Mixing Incompatible Wastes 806(4)(a)(ix), (b)(v), and (c)(x); 395(1)(b) and (c); 630(9)(a) and (b); 640(9) and (10) [270.14(b)(9), 264.17(b), 264.177(a) and (b)]	Chapter 6.0, §6.5	
F-5b(1) Ignitable or Reactive Wastes In Tanks 806(4)(c)(x), 640(9) [270.16(j), 264.198]	N/A	

Section/Requirement	Location in Permit Attachment 28	Alternate Location
F-5b(2) Incompatible Wastes In Containers or Tanks 806(4)(b)(v) and (4)(c)(x), 630(9) (a) and (b), 640(10) [270.15(d), 270.16(j) 264.17(b) and (c), 264.177(a) and (b), 264.199]	N/A	
G. Contingency Plan 806(4)(a)(vii), 340, 350, 360, 640(7), 650(5), 660(6) [270.14(b)(7), 264.50 through 264.56]	Chapter 7.0	
G-1 General Information	Chapter 7.0	
G-2 Emergency Coordinators 350(3)(d), 360(1) [264.52(d), 264.55]	Chapter 7.0	
G-3 Circumstances Prompting Implementation 350(1) and (2), 360(2) [264.51, 264.52(a), 264.56(a) and (b)]	Chapter 7.0	
G-4 Emergency Response Procedures 350(3)(a) and (b), 360(2)(a),(b), and (c) [264.52(a), 264.56]	Chapter 7.0	
G-4a Notification 360(2)(a) [264.56(a)] Note that the facility must also notify under WAC 173-303-145.	Chapter 7.0	
G-4b Identification of Dangerous Materials 360(2)(b) [264.56(b)]	Chapter 7.0	
G-4c Hazard Assessment and Report 360(2)(c),(d), and (e) [264.56(c) and (d)]	Chapter 7.0	
G-4d Prevention of Recurrence or Spread of Fires, Explosions, or Releases 360(2)(f) and (g), 630(2), 640(7) [264.56(e) and (f), 264.171, 264.196]	Chapter 7.0	
G-4f Post-Emergency Actions 360(2)(h),(i),(j), and (k); 640(7) [264.56(g) and (h)]	Chapter 7.0	
G-5 Emergency Equipment 350(3)(e) [264.52(e)]	Chapter 7.0	
G-6 Coordination Agreements 350(3)(c), 340(4) [264.52(c), 264.37]	N/A	Permit Attachment 4, DOE/RL-94-02, Table 3-1
G-7 Evacuation Plan 350(3)(f), 355 [264.52(f)]	Chapter 7.0	
G-8 Required Reports, Recordkeeping, and Certifications 360(2)(k), 640(7)(d)(iii), 640(7)(f) [264.56(j)]	Chapter 7.0	
G-8a General Requirements	Chapter 7.0	
G-8b Requirements for Tank Systems	N/A	
H. Personnel Training 806(4)(a)(xii), 330 [270.14(b)(12), 264.16]	Chapter 8.0	Permit Attachment 33, DOE/RL-91-28, §8.0
H-1 Job Title/Job Description 330(2)(a) [264.16(d)(1) and (2)]	Chapter 8.0	
H-2 Outline of Training Program 806(4)(a)(xii), 330(1) and (2)(b) [270.14(b)(12); 264.16(a)(1),(c), and (d)(3)]	Chapter 8.0, §8.1	
H-3 Implementation of Training Program 330(1)(c), 330(2)(c), 330(3) [264.16(b)]	Chapter 8.0, §8.0	
I. Closure and Financial Assurance 806(4)(a)(xiii), 610, 620 [270.14(b)(15), 264.142, 264.143, 264.151]	Chapter 11.0, §11.0	

Section/Requirement		Location in Permit Attachment 28	Alternate Location
I-1	Closure Plan/Financial Assurance for Closure 806(4)(a)(xiii), 610(2) - (6) [270.14(b)(13), 264.111, 264.112]	Chapter 11.0	
I-1a	Closure Performance Standard 610(2)(b) [264.111]	N/A	Permit Condition II.J.4
I-1b	Closure Activities 610(3)(a)(i) through (vi); 610(5); 630(10); 640(5) [264.112(b)(1), 264.112(b)(4), 264.114, 264.178, 264.197]	Chapter 11.0	
I-1b(1)	Maximum Extent of Operation	Chapter 3.0, Table 3.1	
I-1b(2)	Removing Dangerous Wastes	Chapter 11.0	
I-1b(3)	Decontaminating Structures, Equipment, and Soil	Chapter 11.0, §11.2	
I-1b(4)	Sampling and Analysis to Identify Extent of Decontamination/ Removal and to Verify Achievement of Closure Standard	N/A	
I-1b(4)(a)	Sampling to Confirm Decontamination of Structures and Soils	N/A	
I-1b(5)	Other Activities 610(3)(vi)	N/A	
I-1c	Maximum Waste Inventory 610(3)(a)(iii) [264.112(b)(3)]	Chapter 3.0, Table 3.1	
I-1d	Closure of Waste Piles, Surface Impoundments, Incinerators, Land Treatment, and Miscellaneous Units	N/A	
I-1e	Closure of Landfill Units	N/A	
I-1f	Schedule for Closure 610(3)(a)(vii) [264.112(b)(6)]	Chapter 11.0	
I-1g	Extension for Closure Time 610(4)(a), 610(4)(b) [264.113(a), 264.113(b)]	N/A	
I-1h	Closure Cost Estimate 806(4)(a)(xv), 620(3) [270.14(b)(15), 264.142]	N/A	
I-1i	Financial Assurance Mechanism for Closure 806(4)(a)(xv), 620(4) and (10) [270.14(b)(15), 264.143, 264.151]	N/A	
I-2	Notice in Deed of Already Closed Disposal Units 806(4)(a)(xiv), 610(10) [270.14(b)(14), 264.120, 264.117(c), 264.119]	N/A	
I-3	Post-Closure Plan	N/A	
I-4	Liability Requirements 806(4)(a)(xvii), 620(8), 620(10) [270.14(b)(17), 264.147, 264.151]	N/A	Permit Condition II.H.3
J.	Other Federal and State Laws 806(4)(a)(xix) [270.14(b)(20), 270.3]	Refer to Endnote ¹	
K.	Part B Certification 806(4)(a), 810(12) and (13) [270.11]	N/A	Provided with renewal transmittal

¹ This information was provided in the initial unit-specific permit application documentation. Ecology reviewed the information and determined the information was not required for the unit-specific documentation of the Permit, therefore the information is not being re-submitted for this Permit renewal.

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The following Hanford Facility RCRA Permit (Permit) documentation is referenced below for the 300 Area Process Trenches.

Permit Attachment 31

Chapter 1.0	Part A, Dangerous Waste Permit	Dated February 2004
Chapter 2.0	Introduction 300-FF-1 Proposed Plan Discussions and Effects on the 300-F-1 Phase III Feasibility Study and 300 Area Process Trenches Modified Closure/Postclosure Plan	Dated February 2004
Chapter 3.0	300 Area Process Trenches Groundwater Monitoring Plan	Dated February 2004
Chapter 4.0	Closure Contact	Dated February 2004
Chapter 5.0	Certification of Postclosure	Dated February 2004
Chapter 8.0	Postclosure Plan	Dated February 2004

Permit Attachment 4

DOE/RL-94-02, Hanford Emergency Management Plan, Release #24, dated August 11, 2003.

Permit Attachment 33

DOE/RL-91-28, General Information Portion, dated February 2004.

Section/Requirement	Location in Permit Attachment 31	Alternate Location
General: Part VI TSD units are managed pursuant to HF Permit Condition II.K.7, integrated closure. RCRA post-closure activities for these TSD units are integrated with CERCLA and RCRA Past Practice processes in the TPA.		
A. <u>Part A</u> Ecology will take the current Part A, for the TSD unit and make it Chapter 1.0 of the Permit attachment provided there have been no changes to the currently approved Part A form	Chapter 1.0	
B. <u>Postclosure Plan</u> WAC 173-303-610(8) WAC 173-303-610(7) TPA Action Plan Section 5.3 Prepare a written post-closure plan. Ensure the post-closure plan meets unit-specific requirements: Surface impoundments -650(6)	Chapter 2.0 Chapter 8.0	
B.1 <u>Groundwater Monitoring Plan</u> WAC 173-303-610(8)(b)(i) WAC 173-303-645	Chapter 3.0	
B.2 <u>Maintenance Activities</u> WAC 173-303-610(8)(b)(ii) Permit Condition II.F.2		Permit Attachment 6
B.3 <u>Contacts</u> WAC 173-303-610(8)(b)(iii)	Chapter 4.0	
C. <u>Certification of Postclosure</u> WAC 173-303-610(11)	Chapter 5.0	

Section/Requirement	Location in Permit Attachment 31	Alternate Location
D. <u>Training Plan (as appropriate)</u> WAC 173-303-330 Permit Condition II.C.3	Chapter 8.0	
E. <u>Contingency Plan (as appropriate)</u> WAC 173-303-350 Permit Condition II.A Permit Condition II.B		Permit Attachment 4, DOE/RL-94-02 Unit specific provisions are maintained in the Hanford Facility Operating Record, Unit-Specific File.
F. <u>Unit-Specific Operating Record</u> Permit Condition II.I.1		Hanford Facility Operating Record, Unit-Specific File maintained in accordance with DOE/RL-91-28, Table 12.1
G. <u>Inspections (as appropriate)</u> Permit Condition II.O.1 Permit Condition II.O.2		Well inspection records are maintained in site Hanford Well Information System (HWIS) database

The following Hanford Facility RCRA Permit (Permit) documentation is referenced below for the General Information Portion, DOE/RL-91-28.

Attachment 33, General Information Portion, DOE/RL-91-28

Forward		Dated February 2004
Chapter 1.0	Part A	Dated February 2004
Chapter 2.0	Facility Description and General Provisions	Dated February 2004
Chapter 3.0	Waste Analysis	Dated February 2004
Chapter 4.0	Process Information	Dated February 2004
Chapter 5.0	Groundwater Monitoring for Land-Based Units	Dated February 2004
Chapter 6.0	Procedures to Prevent Hazards	Dated February 2004
Chapter 7.0	Contingency Plan	Dated February 2004
Chapter 8.0	Personnel Training	Dated February 2004
Chapter 9.0	Exposure Information Report	Dated February 2004
Chapter 10.0	Waste Minimization	Dated February 2004
Chapter 11.0	Closure and Financial Assurance	Dated February 2004
Chapter 12.0	Reporting and Recordkeeping	Dated February 2004
Chapter 13.0	Other Federal and State Laws	Dated February 2004
Chapter 14.0	Certification	Dated February 2004
Chapter 15.0	References	Dated February 2004
Appendix 2A	Location Maps	Dated February 2004
Appendix 2B	Glossary	Dated February 2004
Appendix 2C	Hanford Facility Legal Description	Dated February 2004
Appendix 2D	Solid Waste Management Units	Dated February 2004

Permit Attachment 4

DOE/RL-94-02, Hanford Emergency Management Plan, Release #24, dated August 11, 2003.

Section/Requirement		Location in Permit Attachment 33
A.	Part A Form 806(2), 810(12)(a), 810(13) [270.10(d), 270.11(a) and (d), 270.13]	Chapter 1.0
B	Facility Description and General Provisions 806(4)(a)(i),(x),(xi),(xviii) [270.14(b)(1),(10),(19)]	Chapter 2.0, §2.0
B-1	General Description 806(4)(a)(i) [270.14(b)(1)]	Chapter 2.0, §2.1
B-1(a)	Facility Description	Chapter 2.0, §2.1.1
B-1(b)	Construction Schedule	Chapter 2.0, §2.1.2
B-2	Topographic Map	Chapter 2.0, §2.2
B-2a	General Requirements 806(4)(a)(xviii) [270.14(b)(19)]	Chapter 2.0, §2.2.1
B-2b	Additional Requirements for Land Disposal Facilities	Chapter 2.0, §2.2.2
B-3	Seismic Consideration 806(4)(a)(xi) [270.14(b)(11)(i) and (ii), 264.18(a)]	Chapter 2.0, §2.3
B-4	Traffic Information 806(4)(a)(x) [270.14(b)(10)]	Chapter 2.0, §2.4
C.	Waste Analysis 806(4)(a)(ii) and (iii), 300 [270.14(3), 264.13(b) and (c)]	Chapter 3.0, §3.0
C-1	Chemical, Biological and Physical Analyses 806(4)(a)(ii), 806(4)(b)(ii) and (v); 806(4)(c)(x); 140; 300; 395; 630(7)(c) and (9); 640(1)(b), (2)(c), (3)(a), and (10) [270.14(b)(2), 264.13(a), 268.7, 268.9]	Chapter 3.0, §3.1
C-1a	Waste In Piles	Chapter 3.0, §3.1.3
C-1b	Landfilled Wastes	Chapter 3.0, §3.1.4

Section/Requirement		Location in Permit Attachment 33
C-1c	Wastes Incinerated and Wastes Used in Performance Tests	Chapter 3.0, §3.1.5
C-2	Waste Analysis Plan 806(4)(a)(iii), 140, 300(5) and (6) [270.14(b)(3), 264.13(b) and (c), 268.7 and 268.9]	Chapter 3.0, §3.2
C-2a	Detailed Chemical, Physical, and/or Biological Analysis	Chapter 3.0, §3.2
C-2a(1)	Parameters and Rationale 806(4)(b)(ii)(A); 140 (LDR); 300(2), (5)(a), and (5)(f); 395(1) and (2); 630(7)(c); 640(1)(b), (2)(c) and (3)(a) [270.15(b)(1), 270.24, 270.25, 264.13(b)(1) and (8), 264.17, 264.191(b)(2), 264.192(a)(2), 264.1034(d), 264.1064(d), 268.7]	Chapter 3.0, §3.2
C-2a(2)	Analytical Methods 110, 300(5)(b) [264.13(b)(2) and (8), Part 264 Subparts AA, BB, and CC]	Chapter 3.0, §3.2
C-2a(3)	Generator-Supplied Analyses 300(3), (5)(g), and (e) [264.13(b)(5)]	Chapter 3.0, §3.2
C-2b	Additional Requirements for Wastes Generated Off-site 806(4)(a)(iii), 300(6) [264.13(c)]	Chapter 3.0, §3.2
C-2b(1)	Parameters and Rationale to Confirm Identity of Off-site Waste 300(3), (5)(a), and 5(g) [264.13(a)(4) and (b)(1)]	Chapter 3.0, §3.2
C-2b(2)	Analytical Methods to Confirm Identity of Off-site Waste 300(3) and (5)(b) [264.13(b)(2)]	Chapter 3.0, §3.2
C-2b(3)	Representative Sampling of Incoming Offsite Wastes 300(3) and (5)(c), 110(2) [264.13(b)(3), Part 261, Appendix I]	Chapter 3.0, §3.2
C-2c	Methods for Collecting Samples for Detailed and Confirming Analyses 300(5)(c), 110(2) [264.13(b)(3), 264.1034(d), Part 261, Appendix I]	Chapter 3.0, §3.2
C-2d	Frequency of Analyses 300(4), (5)(d) [264.13(b)(4)]	Chapter 3.0, §3.2
C-3	Manifest System 370 [264.71, 264.72]	Chapter 3.0, §3.3
C-3a	Procedures for Receiving Shipments 370(2),(3),(4) [264.71]	Chapter 3.0, §3.3.1
C-3b	Response to Significant Discrepancies 370(4) [264.72]	Chapter 3.0, §3.3.2
C-3c	Provisions for Non-acceptance of Shipment 370(5)	Chapter 3.0, §3.3.3
C-3c(1)	Non-acceptance of Undamaged Shipment 370(5)(b)	Chapter 3.0, §3.3.3.1
C-3c(2)	Activation of Contingency Plan for Damaged Shipment 370(5)(c)	Chapter 3.0, §3.3.3.2
C-4	Tracking System 380	Chapter 3.0, §3.4
D.	Process Information 806(4)(b) - (c), 630 through 670 [270.15 - 270.26, 264 Subparts I - BB]	Chapter 4.0, §4.0
D-1	Containers 806(4)(b), 630 [270.15, 264 Subpart I]	Chapter 4.0, §4.2
D-1a	Description of Containers 630(4) [264.172]	N/A
D-1b	Container Management Practices 630(5) and (8); 340(3) [264.35, 264.173]	N/A
D-1c	Container Labelling 806(4)(b)(iii), 395(6), 630(3)	N/A
D-1d	Containment Requirements for Storing Containers	N/A

Section/Requirement	Location in Permit Attachment 33
D-1d(1) Secondary Containment System Design 806(4)(b)(i) and (iv), 630(7) [270.15(a); 264.175(a), (b), and (d)]	N/A
D-1d(1)(a) System Design 806(4)(b)(i), 630(7) (a) and (d) [270.15(a), 264.175(b)]	N/A
D-1d(1)(b) Structural Integrity of Base 806(4)(b)(i), 630(7)(a) [270.15(a), 264.175(b)]	N/A
D-1d(1)(c) Containment System Capacity 806(4)(b)(i)(A) and (C), 630(7)(a) [270.15(a)(3), 264.175(b)(3)]	N/A
D-1d(1)(d) Control of Run-on 806(4)(b)(i)(D), 630(7)(b) [270.15(a)(4), 264.175(b)(4)]	N/A
D-1d(2) Removal of Liquids from Containment System 806(4)(b)(i)(E), 630(7)(a)(ii) [270.15(a)(5), 264.175(b)(5)]	N/A
D-1e Demonstration that Containment Is Not Required Because Containers Do Not Contain Free Liquids, Wastes That Exhibit Ignitability or Reactivity, or Wastes Designated F020 - 023, F026, or F027 806(4)(b)(ii), 630(7)(c) [270.15(b)(2), 264.175(c)]	N/A
D-1f Prevention of Reaction of Ignitable, Reactive, and Incompatible Wastes in Containers	N/A
D-1f(1) Management of Certain Reactive Wastes in Containers 806(4)(b)(iv), 630(8)(a) [270.15(c), 264.176]	N/A
D-1f(2) Management of Ignitable and Certain Other Reactive Wastes in Containers 806(4)(b)(iv), 630(8)(b) [270.15(c), 264.176]	N/A
D-1f(3) Design of Areas to Manage Incompatible Wastes 806(4)(b) (iv), 630(9)(c) [270.15(c), 264.177]	N/A
D-2 Tank Systems 806(4)(c), 640, 395(6) [270.16, 264.190 through 264.199, 264.1030 through 264.1065]	Chapter 4.0, §4.3
D-3 Waste Piles	Chapter 4.0, §4.4
D-4 Surface Impoundments	Chapter 4.0, §4.5
D-5 Incinerators	Chapter 4.0, §4.6
D-6 Landfills	Chapter 4.0, §4.7
D-7 Land Treatment	Chapter 4.0, §4.8
D-8 Air Emissions Control 806(4)(j) and (k), 110 (test methods), 690, 691 [270.24, 270.25, Part 264 Subparts AA, BB, and CC]	Chapter 4.0, §4.10
D-8a Process Vents 806(4)(j), 110, 690 [270.24, 264.1030 - 264.1035 (Subpart AA)]	Chapter 4.0, §4.10.1
D-8b Equipment Leaks 806(4)(k), 110, 691 [270.25, 264.1050 - 264.1064, 264.1033, 264.1034(c), 264.1035(b) and (c)]	Chapter 4.0, §4.10.2
D-8c Tanks and Containers [270.27, 270.15, 270.16, Part 264 Subpart CC]	Chapter 4.0, §4.10.3
D-8c(1) Applicability of Subpart CC Standards [264.1080, 264.1082]	Chapter 4.0, §4.10.3
D-8c(2) Tank Systems and Container Areas-Demonstrating Compliance Provide the documentation required by •270.27(a)(1) - (a)(3) and (a)(5) - (a)(6).	Chapter 4.0, §4.10.3
D-9 Waste Minimization [264.73(b)(9), 264.75(h) and (i)]	Chapter 4.0, §10.0
D-10 Groundwater Monitoring for Land-based Units	Chapter 5.0, §5.0

Section/Requirement	Location in Permit Attachment 33
E. Releases from Solid Waste Management Units 806(4)(a)(xxiii) and (xxiv), 645, 646 [270.14(d)]	Chapter 2.0
E-1 Solid Waste Management Units and Suspected Releases of Dangerous Wastes or Constituents	Chapter 2.0, §2.5
E-2 Corrective Actions Implemented (If you have been conducting corrective action under a RCRA Section 3008(h), 7003, or 3013 order; under a Model Toxics Control Act (MTCA) order; as an independent MTCA cleanup; or under another authority.)	Chapter 2.0, §2.5
F. Procedures to Prevent Hazards 806(4)(a)(iv),(v),(vi),(viii),(ix), 310, 320, 340 [270.14(b)(4),(5),(6),(8); 264.14, 264.15, 264.17, 264.30 - 264.35]	Chapter 6.0
F-1 Security 806(4)(a)(iv), 310(1) and (2) [270.14(b)(4), 264.14]	Chapter 6.0, §6.1
F-1a Security Procedures and Equipment 806(4)(a)(iv), 310(2) [270.14(b)(4), 264.14]	Chapter 6.0, §6.1.1
F-1b Waiver 310(1) [264.14(a)]	Chapter 6.0, §6.1.2
F-2 Inspection Plan 806(4)(a)(v), 320, 340 [270.14(b)(5), 264.15]	Chapter 6.0, §6.2
F-2a General Inspection Requirements 806(4)(a)(v), 320(1), 320(2)(a),(b) and (c), 340(1)(d) [270.14(b)(5), 264.15(a) and (b), 264.33, 264.34, 264.35]	Chapter 6.0, §6.2.1
F-2b Inspection Log 320(2)(d) [264.15(d)]	Chapter 6.0, §6.2.2
F-2c Schedule for Remedial Action for Problems Revealed 320(3) [264.15(c)]	Chapter 6.0, §6.2.3
F-2d Specific Process or Waste Type Inspection Requirements	Chapter 6.0, §6.2.4
F-2d(1) Container Inspections 806(4)(a)(v), 630(3) and (6), 320(2)(c) and (3) [270.14(b)(5), 264.15(c), 264.174]	Chapter 6.0, §6.2.4
F-2d(2) Tank System Inspections and Corrective Actions 640(6) and (7) [270.14(b)(5), 264.195]	N/A
F-2d(3) Storage of Ignitable or Reactive Wastes 806(4)(a)(v), 395(1)(d) [no equivalent federal requirement]	N/A
F-2d(4) Air Emissions Control and Detection - Inspections, Monitoring, and Corrective Actions 806(4)(a)(v) [270.14(b)(5), 264.1033 (e) - (k); 264.1035; 264.1052; 264.1053; 264.1058; 264.1064; 264.1067, 264.1088, 264.1091]	N/A
F-2d(4)(a) Process Vents 806(4)(a)(v) [264.1033; 264.1034(b) and (c); 264.1035(b)(3), (b)(4), and (c)]	N/A
F-2d(4)(b) Equipment Leaks 806(4)(a)(v) [264.1052 - 264.1064]	N/A
F-2d(4)(c) Tanks and Containers [270.14(b)(5), 270.27((a)(6), 264.1088, 264.1091]	N/A
F-2d(5) Waste Pile Inspection	N/A
F-2d(6) Surface Impoundment Inspection	N/A
F-2d(7) Incinerator Inspection	N/A
F-2d(8) Landfill Inspection	N/A
F-2d(9) Land Treatment Facility Inspection	N/A
F-3 Preparedness and Prevention Requirements 806(4)(a)(vi), 340 [270.14(b)(6), Part 264 Subpart C]	Chapter 6.0, §6.3

Permit Application Checklist

24-Feb-04

**Permit Attachment 33
General Information Portion, DOE/RL-91-28**

Section/Requirement	Location in Permit Attachment 33
F-3a Equipment Requirements 340(1) and (2) [264.32, 264.34]	Chapter 6.0, §6.3.1
F-3b Aisle Space Requirement 340(3) [264.35]	Chapter 6.0, §6.3.2
F-4 Preventive Procedures, Structures, and Equipment 806(4)(a)(viii) [270.14(b)(8)]	Chapter 6.0, §6.4
F-5 Prevention of Reaction of Ignitable, Reactive, and/or Incompatible Wastes 806(4)(a)(ix), (b)(v), and (c)(x); 395(1)(a), (b) and (c); 630(9)(a) and (b); 640(9)(10) [270.14(b)(9), 264.17(a) and (b), 264.177(a) and (b)]	Chapter 6.0, §6.5
F-5a Precautions to Prevent Ignition or Reaction of Ignitable or Reactive Waste 806(4)(a)(ix), 395(1)(a) and (c) [270.14(b)(9), 264.17(a)]	Chapter 6.0, §6.5
F-5b Precautions for Handling Ignitable or Reactive Waste and Mixing Incompatible Wastes 806(4)(a)(ix), (b)(v), and (c)(x); 395(1)(b) and (c); 630(9)(a) and (b); 640(9) and (10) [270.14(b)(9), 264.17(b), 264.177(a) and (b)]	Chapter 6.0, §6.5
F-5b(1) Ignitable or Reactive Wastes In Tanks 806(4)(c)(x), 640(9) [270.16(j), 264.198]	Chapter 6.0, §6.5
F-5b(2) Incompatible Wastes In Containers or Tanks 806(4)(b)(v) and (4)(c)(x), 630(9) (a) and (b), 640(10) [270.15(d), 270.16(j) 264.17(b) and (c), 264.177(a) and (b), 264.199]	Chapter 6.0, §6.5
G. Contingency Plan 806(4)(a)(vii), 340, 350, 360, 640(7), 650(5), 660(6) [270.14(b)(7), 264.50 through 264.56]	Chapter 7.0
G-1 General Information	Chapter 7.0
G-2 Emergency Coordinators 350(3)(d), 360(1) [264.52(d), 264.55]	N/A
G-3 Circumstances Prompting Implementation 350(1) and (2), 360(2) [264.51, 264.52(a), 264.56(a) and (b)]	N/A
G-4 Emergency Response Procedures 350(3)(a) and (b), 360(2)(a), (b), and (c) [264.52(a), 264.56]	N/A
G-4a Notification 360(2)(a) [264.56(a)] Note that the facility must also notify under WAC 173-303-145.	N/A
G-4b Identification of Dangerous Materials 360(2)(b) [264.56(b)]	N/A
G-4c Hazard Assessment and Report 360(2)(c), (d), and (e) [264.56(c) and (d)]	N/A
G-4d Prevention of Recurrence or Spread of Fires, Explosions, or Releases 360(2)(f) and (g), 630(2), 640(7) [264.56(e) and (f), 264.171, 264.196]	N/A
G-4f Post-Emergency Actions 360(2)(h), (i), (j), and (k); 640(7) [264.56(g) and (h)]	N/A
G-5 Emergency Equipment 350(3)(e) [264.52(e)]	N/A
G-6 Coordination Agreements 350(3)(c), 340(4) [264.52(c), 264.37]	N/A
G-7 Evacuation Plan 350(3)(f), 355 [264.52(f)]	N/A
G-8 Required Reports, Recordkeeping, and Certifications 360(2)(k), 640(7)(d)(iii), 640(7)(f) [264.56(j)]	N/A
G-8a General Requirements	N/A
G-8b Requirements for Tank Systems	N/A

Section/Requirement		Location in Permit Attachment 33
H.	Personnel Training 806(4)(a)(xii), 330 [270.14(b)(12), 264.16]	Chapter 8.0
H-1	Job Title/Job Description 330(2)(a) [264.16(d)(1) and (2)]	Chapter 8.0, §8.2
H-2	Outline of Training Program 806(4)(a)(xii), 330(1) and (2)(b) [270.14(b)(12); 264.16(a)(1),(c), and (d)(3)]	Chapter 8.0, §8.1
H-3	Implementation of Training Program 330(1)(c), 330(2)(c), 330(3) [264.16(b)]	Chapter 8.0, §8.3
I.	Closure and Financial Assurance 806(4)(a)(xiii), 610, 620 [270.14(b)(15), 264.142, 264.143, 264.151]	Chapter 11.0
I-1	Closure Plan/Financial Assurance for Closure 806(4)(a)(xiii), 610(2) - (6) [270.14(b)(13), 264.111, 264.112]	Chapter 11.0, §11.1
I-1a	Closure Performance Standard 610(2)(b) [264.111]	Chapter 11.0, §11.1.1
I-1b	Closure Activities 610(3)(a)(i) through (vi); 610(5); 630(10); 640(5) [264.112(b)(1), 264.112(b)(4), 264.114, 264.178, 264.197]	Chapter 11.0, §11.1.2
I-1b(1)	Maximum Extent of Operation	Chapter 11.0, §11.1.2.1
I-1b(2)	Removing Dangerous Wastes	Chapter 11.0, §11.1.2.2
I-1b(3)	Decontaminating Structures, Equipment, and Soil	Chapter 11.0, §11.1.2.3
I-1b(4)	Sampling and Analysis to Identify Extent of Decontamination/ Removal and to Verify Achievement of Closure Standard	Chapter 11.0, §11.1.2.4
I-1b(4)(a)	Sampling to Confirm Decontamination of Structures and Soils	Chapter 11.0, §11.1.2.4
I-1b(5)	Other Activities 610(3)(vi)	N/A
I-1c	Maximum Waste Inventory 610(3)(a)(iii) [264.112(b)(3)]	Chapter 11.0, §11.1.3
I-1d	Closure of Waste Piles, Surface Impoundments, Incinerators, Land Treatment, and Miscellaneous Units	Chapter 11.0, §11.1.4
I-1e	Closure of Landfill Units	Chapter 11.0, §11.1.5
I-1f	Schedule for Closure 610(3)(a)(vii) [264.112(b)(6)]	Chapter 11.0, §11.1.6
I-1g	Extension for Closure Time 610(4)(a), 610(4)(b) [264.113(a), 264.113(b)]	Chapter 11.0, §11.1.7
I-1h	Closure Cost Estimate 806(4)(a)(xv), 620(3) [270.14(b)(15), 264.142]	Chapter 11.0, §11.1.8
I-1i	Financial Assurance Mechanism for Closure 806(4)(a)(xv), 620(4) and (10) [270.14(b)(15), 264.143, 264.151]	Chapter 11.0, §11.1.9
I-2	Notice in Deed of Already Closed Disposal Units 806(4)(a)(xiv), 610(10) [270.14(b)(14), 264.120, 264.117(c), 264.119]	Chapter 11.0, §11.2
I-3	Post-Closure Plan	Chapter 11.0, §11.3
I-4	Liability Requirements 806(4)(a)(xvii), 620(8), 620(10) [270.14(b)(17), 264.147, 264.151]	Chapter 11.0, §11.4
J.	Other Federal and State Laws 806(4)(a)(xix) [270.14(b)(20), 270.3]	Chapter 13.0
K.	Part B Certification 806(4)(a), 810(12) and (13) [270.11]	Chapter 14.0 Provided with Permit renewal transmittal

The following Hanford Facility RCRA Permit (Permit) documentation is referenced below for the Liquid Effluent Retention Facility and Treatment Facility and 200 Area Effluent Treatment Facility.

Permit Attachment 34

Chapter 1.0	Part A	Dated December 31, 2003
Chapter 2.0	Unit Description	Dated March 2003
Chapter 3.0	Waste Analysis Plan	Dated December 31, 2003
Chapter 4.0	Process Information	Dated December 31, 2003
Chapter 5.0	Groundwater Monitoring	Dated February 2004
Chapter 6.0	Procedures to Prevent Hazards	Dated December 31, 2003
Chapter 7.0	Contingency Plan	Dated February 2004
Chapter 8.0	Personnel Training	Dated March 2003
Chapter 11.0	Closure and Financial Assurance	Dated February 2004

Permit Attachment 4

DOE/RL-94-02, Hanford Emergency Management Plan, Release #24, dated August 11, 2003.

Permit Attachment 33

DOE/RL-91-28, General Information Portion, dated February 2004

Section/Requirement		Location in Permit Attachment 34	Alternate Location
A.	Part A Form 806(2), 810(12)(a), 810(13) [270.10(d), 270.11(a) and (d), 270.13]	Chapter 1.0	
B	Facility Description and General Provisions 806(4)(a)(i),(x),(xi),(xviii) [270.14(b)(1),(10),(19)]	Chapter 1.0	
B-1	General Description 806(4)(a)(i) [270.14(b)(1)]	Chapter 1.0 Chapter 2.0	
B-1(a)	Facility Description	Chapter 1.0	
B-1(b)	Construction Schedule	N/A	
B-2	Topographic Map	Chapter 2.0, §2.1	
B-2a	General Requirements 806(4)(a)(xviii) [270.14(b)(19)]		Permit Attachment 33, DOE/RL-91-28, § 2.2.1
B-2b	Additional Requirements for Land Disposal Facilities	Chapter 5.0	
B-3	Seismic Consideration 806(4)(a)(xi) [270.14(b)(11)(i) and (ii), 264.18(a)]		Permit Attachment 33, DOE/RL-91-28, § 2.3
B-4	Traffic Information 806(4)(a)(x) [270.14(b)(10)]		Permit Attachment 33, DOE/RL-91-28, § 2.4
C.	Waste Analysis 806(4)(a)(ii) and (iii), 300 [270.14(3), 264.13(b) and (c)]	Chapter 3.0	
C-1	Chemical, Biological and Physical Analyses 806(4)(a)(ii), 806(4)(b)(ii) and (v); 806(4)(c)(x); 140; 300; 395; 630(7)(c) and (9); 640(1)(b), (2)(c), (3)(a), and (10) [270.14(b)(2), 264.13(a), 268.7, 268.9]	Chapter 3.0, §3.1	
C-1a	Waste In Piles	N/A	
C-1b	Landfilled Wastes	N/A	
C-1c	Wastes Incinerated and Wastes Used in Performance Tests	N/A	

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Permit Attachment 34
LERF/200 Area ETF

Section/Requirement		Location in Permit Attachment 34	Alternate Location
C-2	Waste Analysis Plan 806(4)(a)(iii), 140, 300(5) and (6) [270.14(b)(3), 264.13(b) and (c), 268.7 and 268.9]	Chapter 3.0	
C-2a	Detailed Chemical, Physical, and/or Biological Analysis	Chapter 3.0, §3.4	
C-2a(1)	Parameters and Rationale 806(4)(b)(ii)(A); 140 (LDR); 300(2), (5)(a), and (5)(f); 395(1) and (2); 630(7)(c); 640(1)(b), (2)(c) and (3)(a) [270.15(b)(1), 270.24, 270.25, 264.13(b)(1) and (8), 264.17, 264.191(b)(2), 264.192(a)(2), 264.1034(d), 264.1064(d), 268.7]	Chapter 3.0, §3.5 § 3.5.1	
C-2a(2)	Analytical Methods 110, 300(5)(b) [264.13(b)(2) and (8), Part 264 Subparts AA, BB, and CC]	Chapter 3.0, §3.5.2	
C-2a(3)	Generator-Supplied Analyses 300(3), (5)(g), and (e) [264.13(b)(5)]	Chapter 3.0, §3.2	
C-2b	Additional Requirements for Wastes Generated Off-site 806(4)(a)(iii), 300(6) [264.13(c)]	Chapter 3.0, §3.2	
C-2b(1)	Parameters and Rationale to Confirm Identity of Off-site Waste 300(3), (5)(a), and 5(g) [264.13(a)(4) and (b)(1)]	Chapter 3.0, §3.5	
C-2b(2)	Analytical Methods to Confirm Identity of Off-site Waste 300(3) and (5)(b) [264.13(b)(2)]	Chapter 3.0, §3.5	
C-2b(3)	Representative Sampling of Incoming Offsite Wastes 300(3) and (5)(c), 110(2) [264.13(b)(3), Part 261, Appendix I]	Chapter 3.0, §3.5	
C-2c	Methods for Collecting Samples for Detailed and Confirming Analyses 300(5)(c), 110(2) [264.13(b)(3), 264.1034(d), Part 261, Appendix I]	Chapter 3.0, §3.5	
C-2d	Frequency of Analyses 300(4), (5)(d) [264.13(b)(4)]	Chapter 3.0, §3.5.2	
C-3	Manifest System 370 [264.71, 264.72]	N/A	
C-3a	Procedures for Receiving Shipments 370(2),(3),(4) [264.71]	N/A	
C-3b	Response to Significant Discrepancies 370(4) [264.72]	N/A	
C-3c	Provisions for Non-acceptance of Shipment 370(5)	N/A	
C-3c(1)	Non-acceptance of Undamaged Shipment 370(5)(b)	N/A	
C-3c(2)	Activation of Contingency Plan for Damaged Shipment 370(5)(c)	N/A	
C-4	Tracking System 380	N/A	

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Permit Attachment 34
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Section/Requirement		Location in Permit Attachment 34	Alternate Location
D.	Process Information 806(4)(b) - (c), 630 through 670 [270.15 - 270.26, 264 Subparts I - BB]	Chapter §4.0, §4.1, §4.2	
D-1	Containers 806(4)(b), 630 [270.15, 264 Subpart I]	Chapter 4.0, §4.3	
D-1a	Description of Containers 630(4) [264.172]	Chapter 4.0, §4.3.1	
D-1b	Container Management Practices 630(5) and (8); 340(3) [264.35, 264.173]	Chapter 4.0, §4.3.2	
D-1c	Container Labeling 806(4)(b)(iii), 395(6), 630(3)	Chapter 4.0, §4.3.3	
D-1d	Containment Requirements for Storing Containers	Chapter 4.0, §4.3.4	
D-1d(1)	Secondary Containment System Design 806(4)(b)(i) and (iv), 630(7) [270.15(a); 264.175(a), (b), and (d)]	Chapter 4.0, §4.3.4.1	
D-1d(1)(a)	System Design 806(4)(b)(i), 630(7) (a) and (d) [270.15(a), 264.175(b)]	Chapter 4.0, §4.3.4.1	
D-1d(1)(b)	Structural Integrity of Base 806(4)(b)(i), 630(7)(a) [270.15(a), 264.175(b)]	Chapter 4.0, §4.3.4.1.1	
D-1d(1)(c)	Containment System Capacity 806(4)(b)(i)(A) and (C), 630(7)(a) [270.15(a)(3), 264.175(b)(3)]	Chapter 4.0, §4.3.4.1.2	
D-1d(1)(d)	Control of Run-on 806(4)(b)(i)(D), 630(7)(b) [270.15(a)(4), 264.175(b)(4)]	Chapter 4.0, §4.3.4.1.3	
D-1d(2)	Removal of Liquids from Containment System 806(4)(b)(i)(E), 630(7)(a)(ii) [270.15(a)(5), 264.175(b)(5)]	Chapter 4.0, §4.3.4.2	
D-1e	Demonstration that Containment Is Not Required Because Containers Do Not Contain Free Liquids, Wastes That Exhibit Ignitability or Reactivity, or Wastes Designated F020 - 023, F026, or F027 806(4)(b)(ii), 630(7)(c) [270.15(b)(2), 264.175(c)]	N/A	
D-1f	Prevention of Reaction of Ignitable, Reactive, and Incompatible Wastes in Containers	Chapter 4.0, §4.3.4.3	
D-1f(1)	Management of Certain Reactive Wastes in Containers 806(4)(b)(iv), 630(8)(a) [270.15(c), 264.176]	Chapter 4.0, §4.3.4.3	
D-1f(2)	Management of Ignitable and Certain Other Reactive Wastes in Containers 806(4)(b)(iv), 630(8)(b) [270.15(c), 264.176]	Chapter 4.0, §4.3.4.3	
D-1f(3)	Design of Areas to Manage Incompatible Wastes 806(4)(b) (iv), 630(9)(c) [270.15(c), 264.177]	Chapter 4.0, §4.3.4.3	
D-2	Tank Systems 806(4)(c), 640, 395(6) [270.16, 264.190 through 264.199, 264.1030 through 264.1065]	Chapter 4.0, §4.4	
D-3	Waste Piles	N/A	
D-4	Surface Impoundments	Chapter 4.0, §4.5	
D-5	Incinerators	N/A	
D-6	Landfills	N/A	

Section/Requirement	Location in Permit Attachment 34	Alternate Location
D-7 Land Treatment	N/A	
D-8 Air Emissions Control 806(4)(j) and (k), 110 (test methods), 690, 691 [270.24, 270.25, Part 264 Subparts AA, BB, and CC]	Chapter 4.0, §4.6	
D-8a Process Vents 806(4)(j), 110, 690 [270.24, 264.1030 - 264.1035 (Subpart AA)]	Chapter 4.0, §4.6, Chapter 4.0, §4.6.2	
D-8b Equipment Leaks 806(4)(k), 110, 691 [270.25, 264.1050 - 264.1064, 264.1033, 264.1034(c), 264.1035(b) and (c)]	Chapter 4.0, §4.6	
D-8c Tanks and Containers [270.27, 270.15, 270.16, Part 264 Subpart CC]	Chapter 4.0, §4.6	
D-8c(1) Applicability of Subpart CC Standards [264.1080, 264.1082]	Chapter 4.0, §4.6	
D-8c(2) Tank Systems and Container Areas- Demonstrating Compliance Provide the documentation required by •270.27(a)(1) - (a)(3) and (a)(5) - (a)(6).	N/A	
D-9 Waste Minimization [264.73(b)(9), 264.75(h) and (i)]	N/A	Permit Attachment 33, DOE/RL-91-28, Table 12.1
D-10 Groundwater Monitoring for Land-based Units	Chapter 5.0	Permit Attachment 33, DOE/RL-91-28, § 5.0
E. Releases from Solid Waste Management Units 806(4)(a)(xxiii) and (xxiv), 645, 646 [270.14(d)]	N/A	Permit Attachment 33, DOE/RL-91-28, § 2.5, & Appendix 2D
E-1 Solid Waste Management Units and Known and Suspected Releases of Dangerous Wastes or Constituents	N/A	Permit Attachment 33, DOE/RL-91-28, § 2.5, & Appendix 2D
E-2 Corrective Actions Implemented (If you have been conducting corrective action under a RCRA Section 3008(h), 7003, or 3013 order; under a Model Toxics Control Act (MTCA) order; as an independent MTCA cleanup; or under another authority.)	N/A	
F. Procedures to Prevent Hazards 806(4)(a)(iv),(v),(vi),(vii),(ix), 310, 320, 340 [270.14(b)(4),(5),(6),(8); 264.14, 264.15, 264.17, 264.30 - 264.35]	Chapter 6.0	
F-1 Security 806(4)(a)(iv), 310(1) and (2) [270.14(b)(4), 264.14]	Chapter 6.0, §6.1	Permit Attachment 33, DOE/RL-91-28, § 6.1
F-1a Security Procedures and Equipment 806(4)(a)(iv), 310(2) [270.14(b)(4), 264.14]	Chapter 6.0, §6.1.1	
F-1b Waiver 310(1) [264.14(a)]	Chapter 6.0, §6.1.2	
F-2 Inspection Plan 806(4)(a)(v), 320, 340 [270.14(b)(5), 264.15]	Chapter 6.0, §6.2	

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Section/Requirement	Location in Permit Attachment 34	Alternate Location
F-2a General Inspection Requirements 806(4)(a)(v), 320(1), 320(2)(a),(b) and (c), 340(1)(d) [270.14(b)(5), 264.15(a) and (b), 264.33, 264.34, 264.35]	Chapter 6.0, §6.2.1	
F-2b Inspection Log 320(2)(d) [264.15(d)]	Chapter 6.0, §6.2.3	
F-2c Schedule for Remedial Action for Problems Revealed 320(3) [264.15(c)]	Chapter 6.0, §6.2.3	
F-2d Specific Process or Waste Type Inspection Requirements	Chapter 6.0, §6.2.2	
F-2d(1) Container Inspections 806(4)(a)(v), 630(3) and (6), 320(2)(c) and (3) [270.14(b)(5), 264.15(c), 264.174]	Chapter 6.0, §6.2.2.1	
F-2d(2) Tank System Inspections and Corrective Actions 640(6) and (7) [270.14(b)(5), 264.195]	Chapter 6.0, §6.2.2.2	
F-2d(3) Storage of Ignitable or Reactive Wastes 806(4)(a)(v), 395(1)(d) [no equivalent federal requirement]	Chapter 6.0, §6.2.4	
F-2d(4) Air Emissions Control and Detection - Inspections, Monitoring, and Corrective Actions 806(4)(a)(v) [270.14(b)(5), 264.1033 (e) - (k); 264.1035; 264.1052; 264.1053; 264.1058; 264.1064; 264.1067, 264.1088, 264.1091]	Chapter 4.0, §4.6	
F-2d(4)(a) Process Vents 806(4)(a)(v) [264.1033; 264.1034(b) and (c); 264.1035(b)(3), (b)(4), and (c)]	Chapter 4.0, §4.6	
F-2d(4)(b) Equipment Leaks 806(4)(a)(v) [264.1052 - 264.1064]	N/A	
F-2d(4)(c) Tanks and Containers [270.14(b)(5), 270.27((a)(6), 264.1088, 264.1091]	Chapter 4.0, §4.6	
F-2d(5) Waste Pile Inspection	N/A	
F-2d(6) Surface Impoundment Inspection	Chapter 6.0, §6.2.2.3	
F-2d(7) Incinerator Inspection	N/A	
F-2d(8) Landfill Inspection	N/A	
F-2d(9) Land Treatment Facility Inspection	N/A	
F-3 Preparedness and Prevention Requirements 806(4)(a)(vi), 340 [270.14(b)(6), Part 264 Subpart C]	Chapter 6.0, §6.3	
F-3a Equipment Requirements 340(1) and (2) [264.32, 264.34]	Chapter 6.0, §6.3.1	
F-3b Aisle Space Requirement 340(3) [264.35]	Chapter 6.0, §6.3.2	
F-4 Preventive Procedures, Structures, and Equipment 806(4)(a)(viii) [270.14(b)(8)]	Chapter 6.0, §6.4	
F-5 Prevention of Reaction of Ignitable, Reactive, and/or Incompatible Wastes 806(4)(a)(ix),(b)(v), and (c)(x); 395(1)(a),(b) and (c); 630(9)(a) and (b); 640(9)(10) [270.14(b)(9), 264.17(a) and (b), 264.177(a) and (b)]	Chapter 6.0, §6.5	

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Permit Attachment 34
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Section/Requirement		Location in Permit Attachment 34	Alternate Location
F-5a	Precautions to Prevent Ignition or Reaction of Ignitable or Reactive Waste 806(4)(a)(ix), 395(1)(a) and (c) [270.14(b)(9), 264.17(a)]	Chapter 6.0, §6.5	
F-5b	Precautions for Handling Ignitable or Reactive Waste and Mixing Incompatible Wastes 806(4)(a)(ix), (b)(v), and (c)(x); 395(1)(b) and (c); 630(9)(a) and (b); 640(9) and (10) [270.14(b)(9), 264.17(b), 264.177(a) and (b)]	Chapter 6.0, §6.5	
F-5b(1)	Ignitable or Reactive Wastes In Tanks 806(4)(c)(x), 640(9) [270.16(j), 264.198]	Chapter 6.0, §6.5	
F-5b(2)	Incompatible Wastes In Containers or Tanks 806(4)(b)(v) and (4)(c)(x), 630(9) (a) and (b), 640(10) [270.15(d), 270.16(j) 264.17(b) and (c), 264.177(a) and (b), 264.199]	Chapter 6.0, §6.5	
G.	Contingency Plan 806(4)(a)(vii), 340, 350, 360, 640(7), 650(5), 660(6) [270.14(b)(7), 264.50 through 264.56]	Chapter 7.0	
G-1	General Information	Chapter 7.0	
G-2	Emergency Coordinators 350(3)(d), 360(1) [264.52(d), 264.55]	Chapter 7.0	
G-3	Circumstances Prompting Implementation 350(1) and (2), 360(2) [264.51, 264.52(a), 264.56(a) and (b)]	Chapter 7.0	
G-4	Emergency Response Procedures 350(3)(a) and (b), 360(2)(a),(b), and (c) [264.52(a), 264.56]	Chapter 7.0	
G-4a	Notification 360(2)(a) [264.56(a)] Note that the facility must also notify under WAC 173-303-145.	Chapter 7.0	
G-4b	Identification of Dangerous Materials 360(2)(b) [264.56(b)]	Chapter 7.0	
G-4c	Hazard Assessment and Report 360(2)(c),(d), and (e) [264.56(c) and (d)]	Chapter 7.0	
G-4d	Prevention of Recurrence or Spread of Fires, Explosions, or Releases 360(2)(f) and (g), 630(2), 640(7) [264.56(e) and (f), 264.171, 264.196]	Chapter 7.0	
G-4f	Post-Emergency Actions 360(2)(h),(i),(j), and (k); 640(7) [264.56(g) and (h)]	Chapter 7.0	
G-5	Emergency Equipment 350(3)(e) [264.52(e)]	Chapter 7.0	
G-6	Coordination Agreements 350(3)(c), 340(4) [264.52(c), 264.37]	N/A	Permit Attachment 4, DOE/RL-94-02, Table 3-1
G-7	Evacuation Plan 350(3)(f), 355 [264.52(f)]	Chapter 7.0	
G-8	Required Reports, Recordkeeping, and Certifications 360(2)(k), 640(7)(d)(iii), 640(7)(f) [264.56(j)]	Chapter 7.0	
G-8a	General Requirements	Chapter 7.0	
G-8b	Requirements for Tank Systems	Chapter 7.0	

Section/Requirement	Location in Permit Attachment 34	Alternate Location
H. Personnel Training 806(4)(a)(xii), 330 [270.14(b)(12), 264.16]	Chapter 8.0	Permit Attachment 33, DOE/RL-91-28, § 8.0
H-1 Job Title/Job Description 330(2)(a) [264.16(d)(1) and (2)]	Chapter 8.0, Table 8.1	
H-2 Outline of Training Program 806(4)(a)(xii), 330(1) and (2)(b) [270.14(b)(12); 264.16(a)(1),(c), and (d)(3)]	Chapter 8.0, §8.1	
H-3 Implementation of Training Program 330(1)(c), 330(2)(c), 330(3) [264.16(b)]	Chapter 8.0	
I. Closure and Financial Assurance 806(4)(a)(xiii), 610, 620 [270.14(b)(15), 264.142, 264.143, 264.151]	Chapter 11.0	
I-1 Closure Plan/Financial Assurance for Closure 806(4)(a)(xiii), 610(2) - (6) [270.14(b)(13), 264.111, 264.112]	Chapter 11.0, §11.1	
I-1a Closure Performance Standard 610(2)(b) [264.111]	Chapter 11.0, §11.2	
I-1b Closure Activities 610(3)(a)(i) through (vi); 610(5); 630(10); 640(5) [264.112(b)(1), 264.112(b)(4), 264.114, 264.178, 264.197]	Chapter 11.0, §11.3	
I-1b(1) Maximum Extent of Operation	N/A	
I-1b(2) Removing Dangerous Wastes	Chapter 11.0, §11.3.3	
I-1b(3) Decontaminating Structures, Equipment, and Soil	Chapter 11.0, §11.3.4	
I-1b(4) Sampling and Analysis to Identify Extent of Decontamination/ Removal and to Verify Achievement of Closure Standard	N/A	
I-1b(4)(a) Sampling to Confirm Decontamination of Structures and Soils	Chapter 11.0, §11.3	
I-1b(5) Other Activities 610(3)(vi)	N/A	
I-1c Maximum Waste Inventory 610(3)(a)(iii) [264.112(b)(3)]	Chapter 11.0, §11.4	
I-1d Closure of Waste Piles, Surface Impoundments, Incinerators, Land Treatment, and Miscellaneous Units	Chapter 11.0, §11.5.1, §11.5.2, §11.5.3	
I-1e Closure of Landfill Units	N/A	
I-1f Schedule for Closure 610(3)(a)(vii) [264.112(b)(6)]	Chapter 11.0, §11.6	
I-1g Extension for Closure Time 610(4)(a), 610(4)(b) [264.113(a), 264.113(b)]	Chapter 11.0, §11.6	
I-1h Closure Cost Estimate 806(4)(a)(xv), 620(3) [270.14(b)(15), 264.142]	N/A	
I-1i Financial Assurance Mechanism for Closure 806(4)(a)(xv), 620(4) and (10) [270.14(b)(15), 264.143, 264.151]	N/A	
I-2 Notice in Deed of Already Closed Disposal Units 806(4)(a)(xiv), 610(10) [270.14(b)(14), 264.120, 264.117(c), 264.119]	N/A	
I-3 Post-Closure Plan	N/A	
I-4 Liability Requirements 806(4)(a)(xvii), 620(8), 620(10) [270.14(b)(17), 264.147, 264.151]	N/A	Permit Condition II.H.3

Section/Requirement		Location in Permit Attachment 34	Alternate Location
J.	Other Federal and State Laws 806(4)(a)(xix) [270.14(b)(20), 270.3]	Refer to endnote ¹	
K.	Part B Certification 806(4)(a), 810(12) and (13) [270.11]	N/A	Provided with Permit renewal transmittal

¹ This information was provided in the initial unit-specific permit application documentation. Ecology reviewed the information and determined the information was not required for the unit-specific documentation of the Permit, therefore the information is not being re-submitted for this Permit renewal.

Part III Operating Unit Checklist

Updated: 10-Feb-04

Permit Attachment 35**242-A Evaporator**

The following Hanford Facility RCRA Permit (Permit) documentation is incorporated by reference as shown below for the 242-A Evaporator, and constitutes the Part B application per WAC 173-303-806.

Attachment 35

Chapter 1.0	Part A	Dated December 31, 2003
Chapter 2.0	Unit Description	Dated December 31, 2003
Chapter 3.0	Waste Analysis Plan	Dated December 31, 2003
Chapter 4.0	Process Information	Dated December 31, 2003
Chapter 6.0	Procedures to Prevent Hazards	Dated December 31, 2003
Chapter 7.0	Contingency Plan	Dated December 31, 2003
Chapter 8.0	Personnel Training	Dated December 31, 2002
Chapter 11.0	Closure and Financial Assurance	Dated December 31, 2003
Appendix 4B	242-A Evaporator/Crystallizer Tank System Integrity Assessment Report	Dated December 31, 2002

Attachment 4

DOE/RL-94-02, Hanford Emergency Management Plan, as amended.

Attachment 33

DOE/RL-91-28, General Information Portion, dated February 2004

Section/Requirement		Location in Permit Attachment 35	Alternate location
A.	Part A Form 806(2), 810(12)(a), 810(13) [270.10(d), 270.11(a) and (d), 270.13]	Chapter 1.0	
B	Facility Description and General Provisions 806(4)(a)(i),(x),(xi),(xviii) [270.14(b)(1),(10),(19)]	Chapter 2.0, Refer to endnote ¹	
B-1	General Description 806(4)(a)(i) [270.14(b)(1)]	Chapter 1.0 and 2.0 Refer to endnote ¹	
B-1(a)	Facility Description	Chapter 2.0	
B-1(b)	Construction Schedule	N/A	
B-2	Topographic Map	Chapter 2.0, §2.1	
B-2a	General Requirements 806(4)(a)(xviii) [270.14(b)(19)]		Permit Attachment 33, DOE/RL-91-28, § 2.2.1
B-2b	Additional Requirements for Land Disposal Facilities	N/A	
B-3	Seismic Consideration 806(4)(a)(xi) [270.14(b)(11)(i) and (ii), 264.18(a)]		Permit Attachment 33, DOE/RL-91-28, § 2.3
B-4	Traffic Information 806(4)(a)(x) [270.14(b)(10)]		Permit Attachment 33, DOE/RL-91-28, § 2.4
C.	Waste Analysis 806(4)(a)(ii) and (iii), 300 [270.14(3), 264.13(b) and (c)]	Chapter 3.0	
C-1	Chemical, Biological and Physical Analyses 806(4)(a)(ii), 806(4)(b)(ii) and (v); 806(4)(c)(x); 140; 300; 395; 630(7)(c) and (9); 640(1)(b), (2)(c), (3)(a), and (10) [270.14(b)(2), 264.13(a), 268.7, 268.9]	Chapter 3.0, §3.1	
C-1a	Waste In Piles	N/A	
C-1b	Landfilled Wastes	N/A	

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**Permit Attachment 35
242-A Evaporator**

Section/Requirement	Location in Permit Attachment 35	Alternate location
C-1c Wastes Incinerated and Wastes Used in Performance Tests	N/A	
C-2 Waste Analysis Plan 806(4)(a)(iii), 140, 300(5) and (6) [270.14(b)(3), 264.13(b) and (c), 268.7 and 268.9]	Chapter 3.0	
C-2a Detailed Chemical, Physical, and/or Biological Analysis	Chapter 3.0,	
C-2a(1) Parameters and Rationale 806(4)(b)(ii)(A); 140 (LDR); 300(2), (5)(a), and (5)(f); 395(1) and (2); 630(7)(c); 640(1)(b), (2)(c) and (3)(a) [270.15(b)(1), 270.24, 270.25, 264.13(b)(1) and (8), 264.17, 264.191(b)(2), 264.192(a)(2), 264.1034(d), 264.1064(d), 268.7]	Chapter 3.0, §3.8.2	
C-2a(2) Analytical Methods 110, 300(5)(b) [264.13(b)(2) and (8), Part 264 Subparts AA, BB, and CC]	Chapter 3.0, §3.9.	
C-2a(3) Generator-Supplied Analyses 300(3), (5)(g), and (e) [264.13(b)(5)]	Chapter 3.0, §3.2	
C-2b Additional Requirements for Wastes Generated Off-site 806(4)(a)(iii), 300(6) [264.13(c)]	N/A	
C-2b(1) Parameters and Rationale to Confirm Identity of Off-site Waste 300(3), (5)(a), and 5(g) [264.13(a)(4) and (b)(1)]	N/A	
C-2b(2) Analytical Methods to Confirm Identity of Off-site Waste 300(3) and (5)(b) [264.13(b)(2)]	N/A	
C-2b(3) Representative Sampling of Incoming Offsite Wastes 300(3) and (5)(c), 110(2) [264.13(b)(3), Part 261, Appendix I]	N/A	
C-2c Methods for Collecting Samples for Detailed and Confirming Analyses 300(5)(c), 110(2) [264.13(b)(3), 264.1034(d), Part 261, Appendix I]	Chapter 3.0, §3.6.1.2, §3.6.2.1, §3.8, table 3.5	
C-2d Frequency of Analyses 300(4), (5)(d) [264.13(b)(4)]	Chapter 3.0, §3.6.2.1, §3.6.1.2, Figure 3.2	
C-3 Manifest System 370 [264.71, 264.72]	N/A	
C-3a Procedures for Receiving Shipments 370(2),(3),(4) [264.71]	N/A	
C-3b Response to Significant Discrepancies 370(4) [264.72]	N/A	
C-3c Provisions for Non-acceptance of Shipment 370(5)	N/A	
C-3c(1) Non-acceptance of Undamaged Shipment 370(5)(b)	N/A	
C-3c(2) Activation of Contingency Plan for Damaged Shipment 370(5)(c)	N/A	

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Permit Attachment 35
242-A Evaporator

Section/Requirement		Location in Permit Attachment 35	Alternate location
C-4	Tracking System 380	N/A	
D.	Process Information 806(4)(b) - (c), 630 through 670 [270.15 - 270.26, 264 Subparts I - BB]	Chapter 4.0, §4.1, §4.2	
D-1	Containers 806(4)(b), 630 [270.15, 264 Subpart I]	N/A	
D-2	Tank Systems 806(4)(c), 640, 395(6) [270.16, 264.190 through 264.199, 264.1030 through 264.1065]	Chapter 4.0	
D-2a	Design , Installation and Assessment of Tank Systems 806(4)(c)(i),(ii)(v) and (vi), 640(2) and (3), [270.16(a),(b),(e) and (f) 264.191 and 264.192	Chapter 4.0 §4.1.1 §4.1.4, Appendix 4B	
D-2a(1)	Design Requirements: 640(2)(c), (3)(a) [264.191(b), 264.192(a)]	Chapter 4.0 §4.1.1	
D-2a(2)	Integrity Assessments: 640(2)(a),(c),and (e);(3)(a),(b) and (g) [264.191(a), 264.192(a), (b), and (g)]	Chapter4.0,§4.1.1 Appendix 4B	
D-2a(3)	Additional Requirements for Existing Tanks: 640(2)(a) and(c)(v) [264.191(a),and (b)(5)]	Chapter4.0,§4.1.1,§4.1.5, Appendix 4B	
D-2a(4)	Additional Requirements for New Tanks: 640(3)(c),(e),(f) and (g) [264.192(b), (d) and (e)]	N/A	
D-2a(5)	Additional Requirements for New On-ground or underground Tanks: 640(3)(c),(e),(f) and (g) [264.192(b), (d) and (e)]	N/A	
D-2b	Secondary Containment and Release Detection for Tank Systems: 640(4),806(4)(c)(vii) [270.16(g), 264.193]	Chapter4.0,§4.1.6.1 Appendix 4B	
D-2b(1)	Requirements for All Tank Systems:	Chapter4.0,§4.1.6.1 Appendix 4B	
D-2b(2)	Additional Requirements for Specific Types of Systems	Chapter4.0,§4.1.6.4 Appendix 4B	
D-2b(2)(a)	Vault Systems: 640(4)(e)(ii) [264.193(e)(2)]	Chapter4.0,§4.1.6.4.1 Appendix 4B	
D-2b(2)(b)	Double-walled Tanks: 640(4)(e)(iii) [264.193(e)(3)]	N/A	
D-2b(2)(c)	Ancillary Equipment: 640(4)(f) [264.193(f)]	Chapter4.0,§4.1.6.4.2	
D-2c	Variances from Secondary Containment Requirements: 640(4)(g), and (h) 640(1)(b) and 806(4)(c)(viii) [270.16(h), 264.193 (g) and (h), 264.190(a)]	Chapter4.0,§4.1.7	
D-2d	Tank Management Practices 806(4)(c)(iii), (iv),(ix); 640(5)(a), and (b) [270.16(c),(d), and (i) 264.193 (g) and (h), 264.190(a)]	Chapter4.0,§4.1.8	
D-2e	Labels or Signs: 806(4)(c)(xi), 395(6); 640(5)(d),	Chapter4.0,§4.1.9	

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Permit Attachment 35
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Section/Requirement	Location in Permit Attachment 35	Alternate location
D-2f Air Emissions 806(4)(c)(xi), 640(5)(e),	Chapter 4.0, §4.1.10	
D-2g Management of Ignitable or Reactive Wastes in Tank Systems 806(4)(c)(x), 640(9) [270.16 (f) 264.198]	Chapter 4.0, §4.1.11	
D-2h Management of Incompatible Wastes in Tank Systems: 806(4)(c)(x), 640(10) [270.16 (f) 264.199]	Chapter 4.0, §4.1.12	
D-3 Waste Piles	N/A	
D-4 Surface Impoundments	N/A	
D-5 Incinerators	N/A	
D-6 Landfills	N/A	
D-7 Land Treatment	N/A	
D-8 Air Emissions Control 806(4)(j) and (k), 110 (test methods), 690, 691 [270.24, 270.25, Part 264 Subparts AA, BB, and CC]	Chapter 4.0, §4.2	
D-8a Process Vents 806(4)(j), 110, 690 [270.24, 264.1030 - 264.1035 (Subpart AA)]	Chapter 4.0, §4.2.2	
D-8b Equipment Leaks 806(4)(k), 110, 691 [270.25, 264.1050 - 264.1064, 264.1033, 264.1034(c), 264.1035(b) and (c)]	N/A	
D-8c Tanks and Containers [270.27, 270.15, 270.16, Part 264 Subpart CC]	N/A	
D-8c(1) Applicability of Subpart CC Standards [264.1080, 264.1082]	N/A	
D-8c(2) Tank Systems and Container Areas- Demonstrating Compliance Provide the documentation required by •270.27(a)(1) - (a)(3) and (a)(5) - (a)(6).	N/A	
D-9 Waste Minimization [264.73(b)(9), 264.75(h) and (i)]	N/A	Permit Attachment 33, DOE/RL-91-28, Table 12.1
D-10 Groundwater Monitoring for Land-based Units	N/A	
E. Releases from Solid Waste Management Units 806(4)(a)(xxiii) and (xxiv), 645, 646 [270.14(d)]	N/A	Permit Attachment 33, DOE/RL-91-28, § 2.5, & Appendix 2D
E-1 Solid Waste Management Units and Known and Suspected Releases of Dangerous Wastes or Constituents	N/A	Permit Attachment 33, DOE/RL-91-28, § 2.5, & Appendix 2D
E-2 Corrective Actions Implemented (If you have been conducting corrective action under a RCRA Section 3008(h), 7003, or 3013 order; under a Model Toxics Control Act (MTCA) order; as an independent MTCA cleanup; or under another authority.)	N/A	

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Permit Attachment 35
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Section/Requirement	Location in Permit Attachment 35	Alternate location
F. Procedures to Prevent Hazards 806(4)(a)(iv),(v),(vi),(viii),(ix), 310, 320, 340 [270.14(b)(4),(5),(6),(8); 264.14, 264.15, 264.17, 264.30 - 264.35]	Chapter 6.0	
F-1 Security 806(4)(a)(iv), 310(1) and (2) [270.14(b)(4), 264.14]	Chapter 6.0, §6.1	Permit Attachment 33, DOE/RL-91-28, § 6.1
F-1a Security Procedures and Equipment 806(4)(a)(iv), 310(2) [270.14(b)(4), 264.14]	Chapter 6.0, §6.1.1	
F-1b Waiver 310(1) [264.14(a)]	Chapter 6.0, §6.1.2	
F-2 Inspection Plan 806(4)(a)(v), 320, 340 [270.14(b)(5), 264.15]	Chapter 6.0, §6.2	
F-2a General Inspection Requirements 806(4)(a)(v), 320(1), 320(2)(a),(b) and (c), 340(1)(d) [270.14(b)(5), 264.15(a) and (b), 264.33, 264.34, 264.35]	Chapter 6.0, §6.2.1	
F-2b Inspection Log 320(2)(d) [264.15(d)]	Chapter 6.0, §6.2.5	
F-2c Schedule for Remedial Action for Problems Revealed 320(3) [264.15(c)]	Chapter 6.0, §6.2.6	
F-2d Specific Process or Waste Type Inspection Requirements	Chapter 6.0, §6.2.2	
F-2d(1) Container Inspections 806(4)(a)(v), 630(3) and (6), 320(2)(c) and (3) [270.14(b)(5), 264.15(c), 264.174]	N/A	
F-2d(2) Tank System Inspections and Corrective Actions 640(6) and (7) [270.14(b)(5), 264.195]	Chapter 6.0, §6.2.2	
F-2d(3) Storage of Ignitable or Reactive Wastes 806(4)(a)(v), 395(1)(d) [no equivalent federal requirement]	Chapter 6.0, §6.5	
F-2d(4) Air Emissions Control and Detection - Inspections, Monitoring, and Corrective Actions 806(4)(a)(v) [270.14(b)(5), 264.1033 (e) - (k); 264.1035; 264.1052; 264.1053; 264.1058; 264.1064; 264.1067; 264.1088, 264.1091]	Chapter 6.0, §6.2.4	
F-2d(4)(a) Process Vents 806(4)(a)(v) [264.1033; 264.1034(b) and (c); 264.1035(b)(3), (b)(4), and (c)]	Chapter 6.0, §6.2.4	
F-2d(4)(b) Equipment Leaks 806(4)(a)(v) [264.1052 - 264.1064]	Chapter 6.0, Table 6.1, §6.2.2	
F-2d(4)(c) Tanks and Containers [270.14(b)(5), 270.27((a)(6), 264.1088, 264.1091]	Chapter 6.0, Table 6.1, §6.2.2	
F-2d(5) Waste Pile Inspection	N/A	
F-2d(6) Surface Impoundment Inspection	N/A	
F-2d(7) Incinerator Inspection	N/A	
F-2d(8) Landfill Inspection	N/A	
F-2d(9) Land Treatment Facility Inspection	N/A	

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Section/Requirement	Location in Permit Attachment 35	Alternate location
F-3 Preparedness and Prevention Requirements 806(4)(a)(vi), 340 [270.14(b)(6), Part 264 Subpart C]	Chapter 6.0, §6.3	
F-3a Equipment Requirements 340(1) and (2) [264.32, 264.34]	Chapter 6.0, §6.3.1	
F-3b Aisle Space Requirement 340(3) [264.35]	Chapter 6.0, §6.3.3	
F-4 Preventive Procedures, Structures, and Equipment 806(4)(a)(viii) [270.14(b)(8)]	Chapter 6.0, §6.4	
F-5 Prevention of Reaction of Ignitable, Reactive, and/or Incompatible Wastes 806(4)(a)(ix),(b)(v), and (c)(x); 395(1)(a),(b) and (c); 630(9)(a) and (b); 640(9)(10) [270.14(b)(9), 264.17(a) and (b), 264.177(a) and (b)]	Chapter 6.0, §6.5	
F-5a Precautions to Prevent Ignition or Reaction of Ignitable or Reactive Waste 806(4)(a)(ix), 395(1)(a) and (c) [270.14(b)(9), 264.17(a)]	Chapter 6.0, §6.5	
F-5b Precautions for Handling Ignitable or Reactive Waste and Mixing Incompatible Wastes 806(4)(a)(ix), (b)(v), and (c)(x); 395(1)(b) and (c); 630(9)(a) and (b); 640(9) and (10) [270.14(b)(9), 264.17(b), 264.177(a) and (b)]	Chapter 6.0, §6.5.2	
F-5b(1) Ignitable or Reactive Wastes In Tanks 806(4)(c)(x), 640(9) [270.16(j), 264.198]	Chapter 6.0, §6.5	
F-5b(2) Incompatible Wastes In Containers or Tanks 806(4)(b)(v) and (4)(c)(x), 630(9) (a) and (b), 640(10) [270.15(d), 270.16(j) 264.17(b) and (c), 264.177(a) and (b), 264.199]	Chapter 6.0, §6.5	
G. Contingency Plan 806(4)(a)(vii), 340, 350, 360, 640(7), 650(5), 660(6) [270.14(b)(7), 264.50 through 264.56]	Chapter 7.0	
G-1 General Information	Chapter 7.0	
G-2 Emergency Coordinators 350(3)(d), 360(1) [264.52(d), 264.55]	Chapter 7.0	
G-3 Circumstances Prompting Implementation 350(1) and (2), 360(2) [264.51, 264.52(a), 264.56(a) and (b)]	Chapter 7.0, §7.3	
G-4 Emergency Response Procedures 350(3)(a) and (b), 360(2)(a),(b), and (c) [264.52(a), 264.56]	Chapter 7.0	
G-4a Notification 360(2)(a) [264.56(a)] Note that the facility must also notify under WAC 173-303-145.	Chapter 7.0	
G-4b Identification of Dangerous Materials 360(2)(b) [264.56(b)]	Chapter 7.0	
G-4c Hazard Assessment and Report 360(2)(c),(d), and (e) [264.56(c) and (d)]	Chapter 7.0	

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Permit Attachment 35
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Section/Requirement	Location in Permit Attachment 35	Alternate location
G-4d Prevention of Recurrence or Spread of Fires, Explosions, or Releases 360(2)(f) and (g), 630(2), 640(7) [264.56(e) and (f), 264.171, 264.196]	Chapter 7.0	
G-4f Post-Emergency Actions 360(2)(h),(i),(j), and (k); 640(7) [264.56(g) and (h)]	Chapter 7.0	
G-5 Emergency Equipment 350(3)(e) [264.52(e)]	Chapter 7.0	
G-6 Coordination Agreements 350(3)(c), 340(4) [264.52(c), 264.37]	N/A	Permit Attachment 4, DOE/RL-94-02, Table 3-1
G-7 Evacuation Plan 350(3)(f), 355 [264.52(f)]	Chapter 7.0	
G-8 Required Reports, Recordkeeping, and Certifications 360(2)(k), 640(7)(d)(iii), 640(7)(f) [264.56(j)]	Chapter 7.0	
G-8a General Requirements	Chapter 7.0	
G-8b Requirements for Tank Systems	Chapter 7.0	
H. Personnel Training 806(4)(a)(xii), 330 [270.14(b)(12), 264.16]	Chapter 8.0	Permit Attachment 33, DOE/RL-91-28, § 8.0
H-1 Job Title/Job Description 330(2)(a) [264.16(d)(1) and (2)]	Chapter 8.0, Table 8.1	
H-2 Outline of Training Program 806(4)(a)(xii), 330(1) and (2)(b) [270.14(b)(12); 264.16(a)(1),(c), and (d)(3)]	Chapter 8.0, §8.1	
H-3 Implementation of Training Program 330(1)(c), 330(2)(c), 330(3) [264.16(b)]	Chapter 8.0	
I. Closure and Financial Assurance 806(4)(a)(xiii), 610, 620 [270.14(b)(15), 264.142, 264.143, 264.151]	Chapter 11.0	Site Wide Permit Condition II.H.1, II.H.2 and II.H.3
I-1 Closure Plan/Financial Assurance for Closure 806(4)(a)(xiii), 610(2) - (6) [270.14(b)(13), 264.111, 264.112]	Chapter 11.0, §11.1	Site Wide Permit Condition II.H.1, II.H.2 and II.H.3
I-1a Closure Performance Standard 610(2)(b) [264.111]	Chapter 11.0, §11.2	
I-1b Closure Activities 610(3)(a)(i) through (vi); 610(5); 630(10); 640(5) [264.112(b)(1), 264.112(b)(4), 264.114, 264.178, 264.197]	Chapter 11.0, §11.3	
I-1b(1) Maximum Extent of Operation	N/A	
I-1b(2) Removing Dangerous Wastes	Chapter 11.0, §11.3.3	
I-1b(3) Decontaminating Structures, Equipment, and Soil	Chapter 11.0, §11.3.4	
I-1b(4) Sampling and Analysis to Identify Extent of Decontamination/ Removal and to Verify Achievement of Closure Standard	Chapter 11.0, §11.3	
I-1b(4)(a) Sampling to Confirm Decontamination of Structures and Soils	Chapter 11.0, §11.3	
I-1b(5) Other Activities 610(3)(vi)	N/A	
I-1c Maximum Waste Inventory 610(3)(a)(iii) [264.112(b)(3)]	Chapter 11.0, §11.4	

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**Permit Attachment 35
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Section/Requirement	Location in Permit Attachment 35	Alternate location
I-1d Closure of Waste Piles, Surface Impoundments, Incinerators, Land Treatment, and Miscellaneous Units	N/A	
I-1e Closure of Landfill Units	N/A	
I-1f Schedule for Closure 610(3)(a)(vii) [264.112(b)(6)]	Chapter 11.0, §11.6	
I-1g Extension for Closure Time 610(4)(a), 610(4)(b) [264.113(a), 264.113(b)]	Chapter 11.0, §11.6	
I-1h Closure Cost Estimate 806(4)(a)(xv), 620(3) [270.14(b)(15), 264.142]	N/A	Site Wide Permit Condition II.H.1, II.H.2 and II.H.3
I-1i Financial Assurance Mechanism for Closure 806(4)(a)(xv), 620(4) and (10) [270.14(b)(15), 264.143, 264.151]	N/A	Site Wide Permit Condition II.H.1, II.H.2 and II.H.3
I-2 Notice in Deed of Already Closed Disposal Units 806(4)(a)(xiv), 610(10) [270.14(b)(14), 264.120, 264.117(c), 264.119]	N/A	
I-3 Post-Closure Plan	N/A	
I-4 Liability Requirements 806(4)(a)(xvii), 620(8), 620(10) [270.14(b)(17), 264.147, 264.151]	N/A	Site Wide Permit Condition II.H.1, II.H.2 and II.H.3
J. Other Federal and State Laws 806(4)(a)(xix) [270.14(b)(20), 270.3]	See endnote ¹	
K. Part B Certification 806(4)(a), 810(12) and (13) [270.11]	N/A	Provided with Permit renewal transmittal

¹ This information was provided in the initial unit-specific permit application documentation. Ecology reviewed the information and determined the information was not required for the unit-specific documentation of the Permit, therefore the information is not being re-submitted for this Permit renewal.

Part III: Operating Units Checklist

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Permit Attachment 36**325 Hazardous Waste Treatment Units (HWTUs)**

The following Hanford Facility RCRA Permit (Permit) documentation is referenced below for the 325 Hazardous Waste Treatment Units.

Permit Attachment 36

Chapter 1.0	Part A	Dated December 31, 2002
Chapter 2.0	Unit Description	Dated December 31, 2002
Chapter 3.0	Waste Analysis Plan	Dated September 30, 2003
Chapter 4.0	Process Information	Dated December 31, 2003
Chapter 6.0	Procedures to Prevent Hazards	Dated December 31, 2003
Chapter 7.0	Building Emergency Procedure	Dated December 31, 2003
Chapter 8.0	Personnel Training	Dated September 30, 2003
Chapter 11.0	Closure and Financial Assurance	Dated December 31, 2003

Permit Attachment 4

DOE/RL-94-02, Hanford Emergency Management Plan, Release #24, dated August 11, 2003.

Permit Attachment 33

DOE/RL-91-28, General Information Portion, dated February 2004.

Section/Requirement		Location in Permit Attachment 36	Alternate Location
A.	Part A Form 806(2), 810(12)(a), 810(13) [270.10(d), 270.11(a) and (d), 270.13]	Chapter 1.0	
B	Facility Description and General Provisions 806(4)(a)(i),(x),(xi),(xviii) [270.14(b)(1),(10),(19)]	Chapter 1.0	
B-1	General Description 806(4)(a)(i) [270.14(b)(1)]	Chapter 1.0, Chapter 2.0	
B-1(a)	Facility Description	Chapter 1.0, §III.C, §IV.E	
B-1(b)	Construction Schedule	N/A	
B-2	Topographic Map	Chapter 2.0, §2.1	
B-2a	General Requirements 806(4)(a)(xviii) [270.14(b)(19)]		Permit Attachment 33, DOE/RL-91-28, §2.2.1
B-2b	Additional Requirements for Land Disposal Facilities	N/A	
B-3	Seismic Consideration 806(4)(a)(xi) [270.14(b)(11)(i) and (ii), 264.18(a)]		Permit Attachment 33, DOE/RL-91-28, §2.3.
B-4	Traffic Information 806(4)(a)(x) [270.14(b)(10)]		Permit Attachment 33, DOE/RL-91-28, §2.4.
C.	Waste Analysis 806(4)(a)(ii) and (iii), 300 [270.14(3), 264.13(b) and (c)]	Chapter 3.0	
C-1	Chemical, Biological and Physical Analyses 806(4)(a)(ii), 806(4)(b)(ii) and (v); 806(4)(c)(x); 140; 300; 395; 630(7)(c) and (9); 640(1)(b), (2)(c), (3)(a), and (10) [270.14(b)(2), 264.13(a), 268.7, 268.9]	Chapter 3.0, §3.1	
C-1a	Waste In Piles	N/A	
C-1b	Landfilled Wastes	N/A	
C-1c	Wastes Incinerated and Wastes Used in Performance Tests	N/A	

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**Permit Attachment 36
325 Hazardous Waste Treatment Units (HWTUs)**

Section/Requirement	Location in Permit Attachment 36	Alternate Location
C-2 Waste Analysis Plan 806(4)(a)(iii), 140, 300(5) and (6) [270.14(b)(3), 264.13(b) and (c), 268.7 and 268.9]	Chapter 3.0, §3.2	
C-2a Detailed Chemical, Physical, and/or Biological Analysis	Chapter 3.0, §3.3	
C-2a(1) Parameters and Rationale 806(4)(b)(ii)(A); 140 (LDR); 300(2), (5)(a), and (5)(f); 395(1) and (2); 630(7)(c); 640(1)(b), (2)(c) and (3)(a) [270.15(b)(1), 270.24, 270.25, 264.13(b)(1) and (8), 264.17, 264.191(b)(2), 264.192(a)(2), 264.1034(d), 264.1064(d), 268.7]	Chapter 3.0, §3.5	
C-2a(2) Analytical Methods 110, 300(5)(b) [264.13(b)(2) and (8), Part 264 Subparts AA, BB, and CC]	Chapter 3.0, §3.5.2, §3.7.1, §3.7.2.2, and §3.8.1	
C-2a(3) Generator-Supplied Analyses 300(3), (5)(g), and (e) [264.13(b)(5)]	Chapter 3.0, §3.5.2 and § 3.8.1	
C-2b Additional Requirements for Wastes Generated Off-site 806(4)(a)(iii), 300(6) [264.13(c)]	Chapter 3.0, §3.5.2	
C-2b(1) Parameters and Rationale to Confirm Identity of Off-site Waste 300(3), (5)(a), and 5(g) [264.13(a)(4) and (b)(1)]	Chapter 3.0, §3.5.2	
C-2b(2) Analytical Methods to Confirm Identity of Off-site Waste 300(3) and (5)(b) [264.13(b)(2)]	Chapter 3.0, §3.5.2	
C-2b(3) Representative Sampling of Incoming Offsite Wastes 300(3) and (5)(c), 110(2) [264.13(b)(3), Part 261, Appendix I]	Chapter 3.0, §3.5.2	
C-2c Methods for Collecting Samples for Detailed and Confirming Analyses 300(5)(c), 110(2) [264.13(b)(3), 264.1034(d), Part 261, Appendix I]	Chapter 3.0, §3.6	
C-2d Frequency of Analyses 300(4), (5)(d) [264.13(b)(4)]	Chapter 3.0, §3.7.2.3	
C-3 Manifest System 370 [264.71, 264.72]	Chapter 3.0, §3.1.7	
C-3a Procedures for Receiving Shipments 370(2),(3),(4) [264.71]	Chapter 3.0, §3.1.7.1	
C-3b Response to Significant Discrepancies 370(4) [264.72]	Chapter 3.0, §3.1.7.2	
C-3c Provisions for Non-acceptance of Shipment 370(5)	Chapter 3.0, §3.1.7.3	
C-3c(1) Non-acceptance of Undamaged Shipment 370(5)(b)	Chapter 3.0, §3.1.7.4	
C-3c(2) Activation of Contingency Plan for Damaged Shipment 370(5)(c)	Chapter 3.0, §3.1.7.5	
C-4 Tracking System 380	Chapter 3.0, §3.1.8	
D. Process Information 806(4)(b) - (c), 630 through 670 [270.15 - 270.26, 264 Subparts I - BB]	Chapter 4.0	

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**Permit Attachment 36
325 Hazardous Waste Treatment Units (HWTUs)**

Section/Requirement	Location in Permit Attachment 36	Alternate Location
D-1 Containers 806(4)(b), 630 [270.15, 264 Subpart I]	Chapter 4.0, §4.1	
D-1a Description of Containers 630(4) [264.172]	Chapter 4.0, §4.1.1	
D-1b Container Management Practices 630(5) and (8); 340(3) [264.35, 264.173]	Chapter 4.0, §4.1.2	
D-1c Container Labeling 806(4)(b)(iii), 395(6), 630(3)	Chapter 4.0, §4.1.3	
D-1d Containment Requirements for Storing Containers	Chapter 4.0, §4.1.4	
D-1d(1) Secondary Containment System Design 806(4)(b)(i) and (iv), 630(7) [270.15(a); 264.175(a), (b), and (d)]	Chapter 4.0, §4.1.4	
D-1d(1)(a) System Design 806(4)(b)(i), 630(7) (a) and (d) [270.15(a), 264.175(b)]	Chapter 4.0, §4.1.4	
D-1d(1)(b) Structural Integrity of Base 806(4)(b)(i), 630(7)(a) [270.15(a), 264.175(b)]	Chapter 4.0, §4.1.5	
D-1d(1)(c) Containment System Capacity 806(4)(b)(i)(A) and (C), 630(7)(a) [270.15(a)(3), 264.175(b)(3)]	Chapter 4.0, §4.1.7	
D-1d(1)(d) Control of Run-on 806(4)(b)(i)(D), 630(7)(b) [270.15(a)(4), 264.175(b)(4)]	Chapter 4.0, §4.1.8	
D-1d(2) Removal of Liquids from Containment System 806(4)(b)(i)(E), 630(7)(a)(ii) [270.15(a)(5), 264.175(b)(5)]	Chapter 4.0, §4.1.9	
D-1e Demonstration that Containment Is Not Required Because Containers Do Not Contain Free Liquids, Wastes That Exhibit Ignitability or Reactivity, or Wastes Designated F020 - 023, F026, or F027 806(4)(b)(ii), 630(7)(c) [270.15(b)(2), 264.175(c)]	N/A	
D-1f Prevention of Reaction of Ignitable, Reactive, and Incompatible Wastes in Containers	Chapter 4.0, §4.1.10	
D-1f(1) Management of Certain Reactive Wastes in Containers 806(4)(b)(iv), 630(8)(a) [270.15(c), 264.176]	Chapter 4.0, §4.1.10	
D-1f(2) Management of Ignitable and Certain Other Reactive Wastes in Containers 806(4)(b)(iv), 630(8)(b) [270.15(c), 264.176]	Chapter 4.0, §4.1.10	
D-1f(3) Design of Areas to Manage Incompatible Wastes 806(4)(b) (iv), 630(9)(c) [270.15(c), 264.177]	Chapter 4.0, §4.1.11	
D-2 Tank Systems 806(4)(c), 640, 395(6) [270.16, 264.190 through 264.199, 264.1030 through 264.1065]	Chapter 4.0, §4.2	
D-2a Design, Installation and Assessment of Tank Systems 806(4)(c)(i),(ii),(v), and (vi), 640(2) and (3) [270.16(a), (b), (e), and (f), 264.191, 264.192]	Chapter 4.0, §4.2.1.1 and §4.2.2.1	
D-2a(1) Design Requirements 640(2)(c), (3)(a) [264.191(b), 264.192(a)]	Chapter 4.0, §4.2.1.1.1 and §4.2.2.1.1	

Section/Requirement	Location in Permit Attachment 36	Alternate Location
D-2a(2) Integrity Assessments 640(2)(a),(c) and (e); (3)(a),(b) and (g) [264.191(a) and (b) 264.192(a),(b), and (g)]	Chapter 4.0, §4.2.1.1.2 and §4.2.2.1.2	
D-2a(3) Additional Requirements for Existing Tanks 640(2)(a) and (c)(v) [264.191(a) and (b)(5)]	Chapter 4.0, §4.2.1.1.2 and §4.2.2.1.2	
D-2a(4) Additional Requirements for New Tanks 640(3)(c), (e), (f) and (g) [264.192(b), (d), and (e)]	N/A	
D-2a(5) Additional Requirements for New On ground or Underground Tanks 640(3)(a)(iii), (iv), and (v); 640(3)(d) [264.192(a)(3),(4), and (5), and (c)]	N/A	
D-2b Secondary Containment and Release Detection for Tank Systems 640(4), 806(4)(c)(vii) [270.16(g), 264.193]	Chapter 4.0, §4.2.1.2 and §4.2.2.2	
D-2b(1) Requirements for All Tank Systems	Chapter 4.0, §4.2.1.2.1 and §4.2.2.2.1	
D-2b(2) Additional Requirements for Specific Types of Systems	Chapter 4.0, §4.2.1.2 and §4.2.2.2	
D-2b(2)(a) Vault Systems 640(4)(e)(ii) [264.193(e)(2)]	N/A	
D-2b(2)(b) Double-walled Tanks 640(4)(e)(iii) [264.193(e)(3)]	Chapter 4.0, §4.2.1.2.2 and §4.2.2.2.2	
D-2b(2)(c) Ancillary Equipment 640(4)(f) [264.193(f)]	Chapter 4.0, §4.2.1.2.3 and §4.2.2.2.3	
D-2c Variances from Secondary Containment Requirements 640(4)(g) and (h), 640(1)(b) and 806(c)(viii) [270.16(h), 264.193(g) and (h), 264.190(a)]	Chapter 4.0, §4.2.2.2.2	
D-2d Tank Management Practices 806(4)(c)(iii),(iv),(ix); 640(5)(a) and (b) [270.16(c),(d), and (i), 264.194(a) and (b)]	Chapter 4.0, §4.2.1.3 and §4.2.2.3	
D-2e Labels or Signs 806(4)(c)(xi), 395(6), 640(5)(d)	Chapter 4.0, §4.2.1.4 and §4.2.2.4	
D-2f Air Emissions 806(4)(c)(xii), 640(5)(e)	Chapter 4.0, §4.3	
D-2g Management of Ignitable or Reactive Wastes in Tank Systems 806(4)(c)(x), 640(9) [270.16(f), 264.198]	Chapter 4.0, §4.2.1.5 and §4.2.2.5	
D-2h Management of Incompatible Wastes in Tank Systems 806(4)(c)(x), 640(10) [270.16(f), 264.199]	Chapter 4.0, §4.2.1.5 and §4.2.2.5	
D-3 Waste Piles	N/A	
D-4 Surface Impoundments	N/A	
D-5 Incinerators	N/A	
D-6 Landfills	N/A	
D-7 Land Treatment	N/A	

Section/Requirement	Location in Permit Attachment 36	Alternate Location
D-8 Air Emissions Control 806(4)(j) and (k), 110 (test methods), 690, 691 [270.24, 270.25, Part 264 Subparts AA, BB, and CC]	N/A	
D-8a Process Vents 806(4)(j), 110, 690 [270.24, 264.1030 - 264.1035 (Subpart AA)]	N/A	
D-8b Equipment Leaks 806(4)(k), 110, 691 [270.25, 264.1050 - 264.1064, 264.1033, 264.1034(c), 264.1035(b) and (c)]	N/A	
D-8c Tanks and Containers [270.27, 270.15, 270.16, Part 264 Subpart CC]	Chapter 4.0, §4.3	
D-8c(1) Applicability of Subpart CC Standards [264.1080, 264.1082]	N/A	
D-8c(2) Tank Systems and Container Areas- Demonstrating Compliance Provide the documentation required by 270.27(a)(1) - (a)(3) and (a)(5) - (a)(6).	N/A	
D-9 Waste Minimization [264.73(b)(9), 264.75(h) and (i)]		Permit Attachment 33, DOE/RL-91-28, Table 12.1
D-10 Groundwater Monitoring for Land-based Units	N/A	
E. Releases from Solid Waste Management Units 806(4)(a)(xxiii) and (xxiv), 645, 646 [270.14(d)]		Permit Attachment 33, DOE/RL-91-28, § 2.5, & Appendix 2D
E-1 Solid Waste Management Units and Known and Suspected Releases of Dangerous Wastes or Constituents	N/A	Permit Attachment 33, DOE/RL-91-28, § 2.5, & Appendix 2D
E-2 Corrective Actions Implemented (If you have been conducting corrective action under a RCRA Section 3008(h), 7003, or 3013 order; under a Model Toxics Control Act (MTCA) order; as an independent MTCA cleanup; or under another authority.)	N/A	
F. Procedures to Prevent Hazards 806(4)(a)(iv),(v),(vi),(viii),(ix), 310, 320, 340 [270.14(b)(4),(5),(6),(8); 264.14, 264.15, 264.17, 264.30 - 264.35]	Chapter 6.0	
F-1 Security 806(4)(a)(iv), 310(1) and (2) [270.14(b)(4), 264.14]	Chapter 6.0, §6.1	Permit Attachment 33, DOE/RL-91-28, § 6.1
F-1a Security Procedures and Equipment 806(4)(a)(iv), 310(2) [270.14(b)(4), 264.14]	Chapter 6.0, §6.1.1	
F-1b Waiver 310(1) [264.14(a)]	N/A	
F-2 Inspection Plan 806(4)(a)(v), 320, 340 [270.14(b)(5), 264.15]	Chapter 6.0, §6.2	
F-2a General Inspection Requirements 806(4)(a)(v), 320(1), 320(2)(a),(b) and (c), 340(1)(d) [270.14(b)(5), 264.15(a) and (b), 264.33, 264.34, 264.35]	Chapter 6.0, §6.2.1	
F-2b Inspection Log 320(2)(d) [264.15(d)]	Chapter 6.0, §6.2.3	

Part III: Operating Units Checklist

24-Feb-04

**Permit Attachment 36
325 Hazardous Waste Treatment Units (HWTUs)**

Section/Requirement	Location in Permit Attachment 36	Alternate Location
F-2c Schedule for Remedial Action for Problems Revealed 320(3) [264.15(c)]	Chapter 6.0, §6.2.1	
F-2d Specific Process or Waste Type Inspection Requirements	Chapter 6.0, §6.2.2	
F-2d(1) Container Inspections 806(4)(a)(v), 630(3) and (6), 320(2)(c) and (3) [270.14(b)(5), 264.15(c), 264.174]	Chapter 6.0, §6.2.2.1	
F-2d(2) Tank System Inspections and Corrective Actions 640(6) and (7) [270.14(b)(5), 264.195]	Chapter 6.0, §6.2.2.2	
F-2d(3) Storage of Ignitable or Reactive Wastes 806(4)(a)(v), 395(1)(d) [no equivalent federal requirement]	Chapter 6.0, §6.2.1.1	
F-2d(4) Air Emissions Control and Detection - Inspections, Monitoring, and Corrective Actions 806(4)(a)(v) [270.14(b)(5), 264.1033 (e) - (k); 264.1035; 264.1052; 264.1053; 264.1058; 264.1064; 264.1067, 264.1088, 264.1091]	N/A	
F-2d(4)(a) Process Vents 806(4)(a)(v) [264.1033; 264.1034(b) and (c); 264.1035(b)(3), (b)(4), and (c)]	N/A	
F-2d(4)(b) Equipment Leaks 806(4)(a)(v) [264.1052 - 264.1064]	N/A	
F-2d(4)(c) Tanks and Containers [270.14(b)(5), 270.27((a)(6), 264.1088, 264.1091]	N/A	
F-2d(5) Waste Pile Inspection	N/A	
F-2d(6) Surface Impoundment Inspection	N/A	
F-2d(7) Incinerator Inspection	N/A	
F-2d(8) Landfill Inspection	N/A	
F-2d(9) Land Treatment Facility Inspection	N/A	
F-3 Preparedness and Prevention Requirements 806(4)(a)(vi), 340 [270.14(b)(6), Part 264 Subpart C]	Chapter 6.0, §6.3	
F-3a Equipment Requirements 340(1) and (2) [264.32, 264.34]	Chapter 6.0, §6.3.1	Permit Attachment 4, DOE/RL-94-02, Appendix C
F-3b Aisle Space Requirement 340(3) [264.35]	Chapter 6.0, §6.3.2	
F-4 Preventive Procedures, Structures, and Equipment 806(4)(a)(viii) [270.14(b)(8)]	Chapter 6.0, §6.4	
F-5 Prevention of Reaction of Ignitable, Reactive, and/or Incompatible Wastes 806(4)(a)(ix), (b)(v), and (c)(x); 395(1)(a), (b) and (c); 630(9)(a) and (b); 640(9)(10) [270.14(b)(9), 264.17(a) and (b), 264.177(a) and (b)]	Chapter 6.0, §6.5	
F-5a Precautions to Prevent Ignition or Reaction of Ignitable or Reactive Waste 806(4)(a)(ix), 395(1)(a) and (c) [270.14(b)(9), 264.17(a)]	Chapter 6.0, §6.5.1	
F-5b Precautions for Handling Ignitable or Reactive Waste and Mixing Incompatible Wastes 806(4)(a)(ix), (b)(v), and (c)(x); 395(1)(b) and (c); 630(9)(a) and (b); 640(9) and (10) [270.14(b)(9), 264.17(b), 264.177(a) and (b)]	Chapter 6.0, §6.5.2	

Section/Requirement	Location in Permit Attachment 36	Alternate Location
F-5b(1) Ignitable or Reactive Wastes In Tanks 806(4)(c)(x), 640(9) [270.16(j), 264.198]	Chapter 6.0, §6.5.3	
F-5b(2) Incompatible Wastes In Containers or Tanks 806(4)(b)(v) and (4)(c)(x), 630(9) (a) and (b), 640(10) [270.15(d), 270.16(j) 264.17(b) and (c), 264.177(a) and (b), 264.199]	Chapter 6.0, §6.5.4	
G. Contingency Plan 806(4)(a)(vii), 340, 350, 360, 640(7), 650(5), 660(6) [270.14(b)(7), 264.50 through 264.56]	Chapter 7.0	
G-1 General Information	Chapter 7.0, §7.1	
G-2 Emergency Coordinators 350(3)(d), 360(1) [264.52(d), 264.55]	Chapter 7.0, §7.3	
G-3 Circumstances Prompting Implementation 350(1) and (2), 360(2) [264.51, 264.52(a), 264.56(a) and (b)]	Chapter 7.0, §7.4	
G-4 Emergency Response Procedures 350(3)(a) and (b), 360(2)(a),(b), and (c) [264.52(a), 264.56]	Chapter 7.0, §7.6	
G-4a Notification 360(2)(a) [264.56(a)] Note that the facility must also notify under WAC 173-303-145.	Chapter 7.0, §7.3.2, §7.3.6, and §7.3.7.1	
G-4b Identification of Dangerous Materials 360(2)(b) [264.56(b)]	Chapter 7.0, §7.3.7.1, and §7.6.1.7	
G-4c Hazard Assessment and Report 360(2)(c),(d), and (e) [264.56(c) and (d)]	Chapter 7.0, §7.3.7.1, and §7.6.1.7	
G-4d Prevention of Recurrence or Spread of Fires, Explosions, or Releases 360(2)(f) and (g), 630(2), 640(7) [264.56(e) and (f), 264.171, 264.196]	Chapter 7.0, §7.4	
G-4f Post-Emergency Actions 360(2)(h),(i),(j), and (k); 640(7) [264.56(g) and (h)]	Chapter 7.0, §7.9	
G-5 Emergency Equipment 350(3)(e) [264.52(e)]	Chapter 7.0, §7.10	
G-6 Coordination Agreements 350(3)(c), 340(4) [264.52(c), 264.37]	Chapter 7.0, §7.1.7	Permit Attachment 4, DOE/RL-94-02, Table 3-1
G-7 Evacuation Plan 350(3)(f), 355 [264.52(f)]	Chapter 7.0, §7.13	
G-8 Required Reports, Recordkeeping, and Certifications 360(2)(k), 640(7)(d)(iii), 640(7)(f) [264.56(j)]	Chapter 7.0, §7.9.2	
G-8a General Requirements	Chapter 7.0, §7.9.2	
G-8b Requirements for Tank Systems	Chapter 7.0, §7.9.2	
H. Personnel Training 806(4)(a)(xii), 330 [270.14(b)(12), 264.16]	Chapter 8.0	Permit Attachment 33, DOE/RL-91-28, §8.0
H-1 Job Title/Job Description 330(2)(a) [264.16(d)(1) and (2)]	Chapter 8.0, §8.3	
H-2 Outline of Training Program 806(4)(a)(xii), 330(1) and (2)(b) [270.14(b)(12); 264.16(a)(1),(c), and (d)(3)]	Chapter 8.0, §8.1	

Part III: Operating Units Checklist

24-Feb-04

**Permit Attachment 36
325 Hazardous Waste Treatment Units (HWTUs)**

Section/Requirement		Location in Permit Attachment 36	Alternate Location
H-3	Implementation of Training Program 330(1)(c), 330(2)(c), 330(3) [264.16(b)]	Chapter 8.0, §8.1	
I.	Closure and Financial Assurance 806(4)(a)(xiii), 610, 620 [270.14(b)(15), 264.142, 264.143, 264.151]	Chapter 8.0, §11.0	
I-1	Closure Plan/Financial Assurance for Closure 806(4)(a)(xiii), 610(2) - (6) [270.14(b)(13), 264.111, 264.112]	Chapter 11.0, §11.1	
I-1a	Closure Performance Standard 610(2)(b) [264.111]	Chapter 11.0, §11.1.1	
I-1b	Closure Activities 610(3)(a)(i) through (vi); 610(5); 630(10); 640(5) [264.112(b)(1), 264.112(b)(4), 264.114, 264.178, 264.197]	Chapter 11.0, §11.1.2	
I-1b(1)	Maximum Extent of Operation	Chapter 11.0, §11.1.3	
I-1b(2)	Removing Dangerous Wastes	Chapter 11.0, §11.2.2	
I-1b(3)	Decontaminating Structures, Equipment, and Soil	Chapter 11.0, §11.2.3	
I-1b(4)	Sampling and Analysis to Identify Extent of Decontamination/ Removal and to Verify Achievement of Closure Standard	Chapter 11.0, §11.2.5	
I-1b(4)(a)	Sampling to Confirm Decontamination of Structures and Soils	Chapter 11.0, §11.2.5	
I-1b(5)	Other Activities 610(3)(vi)	N/A	
I-1c	Maximum Waste Inventory 610(3)(a)(iii) [264.112(b)(3)]	Chapter 11.0, §11.5	
I-1d	Closure of Waste Piles, Surface Impoundments, Incinerators, Land Treatment, and Miscellaneous Units	N/A	
I-1e	Closure of Landfill Units	N/A	
I-1f	Schedule for Closure 610(3)(a)(vii) [264.112(b)(6)]	Chapter 11.0, §11.6	
I-1g	Extension for Closure Time 610(4)(a), 610(4)(b) [264.113(a), 264.113(b)]	Chapter 11.0, §11.7	
I-1h	Closure Cost Estimate 806(4)(a)(xv), 620(3) [270.14(b)(15), 264.142]	N/A	Permit Condition II.H.1
I-1i	Financial Assurance Mechanism for Closure 806(4)(a)(xv), 620(4) and (10) [270.14(b)(15), 264.143, 264.151]	N/A	Permit Condition II.H.3.
I-2	Notice in Deed of Already Closed Disposal Units 806(4)(a)(xiv), 610(10) [270.14(b)(14), 264.120, 264.117(c), 264.119]	N/A	
I-3	Post-Closure Plan	N/A	
I-4	Liability Requirements 806(4)(a)(xvii), 620(8), 620(10) [270.14(b)(17), 264.147, 264.151]	N/A	Permit Condition II.H.3.
J.	Other Federal and State Laws 806(4)(a)(xix) [270.14(b)(20), 270.3]	Refer to endnote ¹	
K.	Part B Certification 806(4)(a), 810(12) and (13) [270.11]		Provided with renewal transmittal

Part III: Operating Units Checklist

24-Feb-04

Permit Attachment 36

325 Hazardous Waste Treatment Units (HWTUs)

¹ This information was provided in the initial unit-specific permit application documentation. Ecology reviewed the information and determined the information was not required for the unit-specific documentation of the Permit, therefore the information is not being re-submitted for this Permit renewal.

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The following Hanford Facility RCRA Permit (Permit) documentation is referenced below for the 183-H Solar Evaporation Basins.

Permit Attachment 37

Chapter 1.0	Part A, Dangerous Waste Permit	Dated February 2004
Chapter 2.0	Introduction 300-FF-1 Proposed Plan Discussions and Effects on the 300-F-1 Phase III Feasibility Study and 300 Area Process Trenches Modified Closure/Postclosure Plan	Dated February 2004
Chapter 3.0	300 Area Process Trenches Groundwater Monitoring Plan	Dated February 2004
Chapter 4.0	Closure Contact	Dated February 2004
Chapter 5.0	Certification of Postclosure	Dated February 2004
Chapter 8.0	Postclosure Plan	Dated February 2004

Permit Attachment 4

DOE/RL-94-02, Hanford Emergency Management Plan, Release #24, dated August 11, 2003.

Permit Attachment 33

DOE/RL-91-28, General Information Portion, dated February 2004.

Section/Requirement	Location in Permit Attachment 37	Alternate Location
General: Part VI TSD units are managed pursuant to HF Permit Condition II.K.7, integrated closure. RCRA post-closure activities for these TSD units are integrated with CERCLA and RCRA Past Practice processes in the TPA.		
A. <u>Part A</u> Ecology will take the current Part A, for the TSD unit and make it Chapter 1.0 of the Permit attachment provided there have been no changes to the currently approved Part A.	Chapter 1.0	
B. <u>Postclosure Plan</u> WAC 173-303-610(8) WAC 173-303-610(7) TPA Action Plan Section 5.3 Prepare a written post-closure plan. Ensure the post-closure plan meets unit-specific requirements: <ul style="list-style-type: none"> Tank systems -640(8) [183-H] Surface impoundments -650(6) (N/A) 	Permit Attachment 37 Nitrate and fluoride remain in the soil column above groundwater protection standards. Institutional controls and groundwater monitoring will be performed to address hexavalent chromium contamination in the groundwater.	
B.1 <u>Groundwater Monitoring Plan</u> WAC 173-303-610(8)(b)(i) WAC 173-303-645	Chapter 3.0	
B.2 <u>Maintenance Activities</u> WAC 173-303-610(8)(b)(ii) Permit Condition II.F.2		Permit Attachment 6
B.3 <u>Contacts</u> WAC 173-303-610(8)(b)(iii)	Chapter 7.0	

Section/Requirement	Location in Permit Attachment 37	Alternate Location
C. <u>Certification of Postclosure</u> WAC 173-303-610(11)	Chapter 8.0	
D. <u>Training Plan (as appropriate)</u> WAC 173-303-330 Permit Condition II.C.3	Chapter 5.0	
E. <u>Contingency Plan (as appropriate)</u> WAC 173-303-350 Permit Condition II.A Permit Condition II.B		Permit Attachment 4, DOE/RL-94-02 Unit specific provisions are maintained in the Hanford Facility Operating Record, Unit-Specific file.
F. <u>Unit-Specific Operating Record</u> Permit Condition II.I.1		Hanford Facility Operating Record, Unit-Specific file maintained in accordance with DOE/RL-91-28, Table 12.1
G. <u>Inspections</u> (as appropriate) Permit Condition II.O.1 Permit Condition II.O.2		Well inspection records are maintained in site Hanford Well Information System (HWIS) database

The following Hanford Facility RCRA Permit (Permit) documentation is referenced below for the 1301-N & 1325-N Liquid Waste Disposal Facilities.

Attachment 41

Chapter 1.0	Part A, Dangerous Waste Permit	Dated December 31, 2003
Chapter 2.0	Unit Description	Dated December 31, 2003
Chapter 3.0	Groundwater Monitoring	Dated December 31, 2003
Chapter 4.0	Closure Activities	Dated December 31, 2003
Chapter 5.0	Postclosure Plan	Dated December 31, 2003

Attachment 4

DOE/RL-94-02, Hanford Emergency Management Plan, Release #24, dated August 11, 2003.

Attachment 33

DOE/RL-91-28, General Information Portion, dated February 2004.

Section/Requirement		Location in Permit Attachment 41	Alternate Location
A.	<u>Part A</u> Ecology will take the current Part A for the TSD unit and make it Chapter 1.0 of the Permit attachment provided there have been no changes to the currently approved Part A	Chapter 1.0	
B.	<u>Closure Performance Standard</u> WAC 173-303-610(3)(a)(i) & (ii) WAC 173-303-610(2)(a)	Chapter 2.0, §2.2 Chapter 4.0	
C.	<u>Removal or Decontamination Standard</u> WAC 173-303-610(3)(a)(i) & (ii) WAC 173-303-610(2)(b)	Chapter 4.0, §4.4	
D.	<u>Maximum Waste Inventory</u> WAC 173-303-610(3)(a)(iii)	Chapter 2.0, §2.4	
E.	<u>Description of Closure Activities</u> WAC 173-303-610(3)(a)(iv), (v), and (vi) WAC 173-303-610(5) Permit Condition II.D.1 Permit Condition II.E.1	Chapter 4.0, §4.1, §4.2, and §4.4	<i>Sampling and Analysis Plan for the 100-NR-1 TSD Sites During Remedial Action and Closeout, DOE/RL-2000-07 Available in unit-specific operating record</i>
F.	<u>Closure Schedule</u> WAC 173-303-610(3)(a)(vii) Closure schedule to be linked with RCRA/CERCLA schedules and/or TPA milestones as applicable. If necessary, request extensions through the provisions of WAC 173-303-610(4) and WAC 173-303-830.	Chapter 4.0, §4.9	
G.	<u>Certification of Closure</u> WAC 173-303-610(6)	Chapter 4.0, §4.11 Chapter 5.0	

Section/Requirement		Location in Permit Attachment 41	Alternate Location
H.	<u>Groundwater Monitoring</u> (for regulated units) WAC 173-303-610(3)(a)(vi) WAC 173-303-645 HF Permit Condition II.F.2	Chapter 3.0	Permit Attachment 6 addresses Permit Condition II.F.2
I.	<u>Training Plan</u> (as appropriate) WAC 173-303-330 Permit Condition II.C.3	Chapter 4.0, §4.7	
J.	<u>Contingency Plan</u> (as appropriate) WAC 173-303-350 Permit Condition II.A Permit Condition II.B		Attachment 4, DOE/RL-94-02 Unit-Specific provisions are maintained in the Hanford Facility Operating Record, Unit-Specific File.
K.	<u>Unit-Specific Operating Record</u> Permit Condition II.I.1		Hanford Facility Operating Record, Unit-Specific File maintained in accordance with DOE/RL-91-28, Table 12.1
L.	<u>Modified Closure Periodic Assessments</u> (if applicable) HF Permit Condition II.K.3. (a)(b) and (c) If the unit is closing under the modified closure provisions of Permit Condition II.K.3, include the specific details of the periodic assessments.	Chapter 5.0, § 5.1.1	
M.	<u>Inspections</u> (if applicable) WAC 173-303-320 Permit Condition II.O.1 Permit Condition II.O.2		Hanford Facility Operating Record, Unit-Specific File maintained in accordance with DOE/RL-91-28, Table 12.1
N.	<u>Post Closure Plan</u> (if applicable) WAC 173-303-610(8)	Chapter 5.0	

The following Hanford Facility RCRA Permit (Permit) documentation is referenced below for the 1324-N Surface Impoundment & 1324-NA Percolation Pond.

Permit Attachment 42

Chapter 1.0	Part A, Dangerous Waste Permit	Dated December 31, 2003
Chapter 2.0	Institutional Controls and Periodic Assessments	Dated December 31, 2003
Chapter 3.0	Postclosure Groundwater Monitoring	Dated December 31, 2003
Chapter 4.0	Training	Dated December 31, 2003
Chapter 5.0	Security	Dated December 31, 2003
Chapter 6.0	Postclosure Contact	Dated December 31, 2003
Chapter 7.0	Certification of Postclosure	Dated December 31, 2003

Permit Attachment 4

DOE/RL-94-02, Hanford Emergency Management Plan, Release #24, dated August 11, 2003.

Permit Attachment 33

DOE/RL-91-28, General Information Portion, dated February 2004.

Section/Requirement	Location in Permit Attachment 42	Alternate Location
A. <u>Part A</u> Ecology will take the current Part A for the TSD unit and make it Chapter 1.0 of the Permit attachment provided there have been no changes to the currently approved Part A.	Chapter 1.0	
B. <u>Postclosure Plan</u> WAC 173-303-610(8) WAC 173-303-610(7) TPA Action Plan Section 5.3 Prepare a written post-closure plan. Ensure the post-closure plan meets unit-specific requirements: Surface impoundments -650(6)	Permit Attachment 42 Sulfate remains in the groundwater above secondary drinking water standards. Groundwater monitoring will be performed in accordance with PNNL-14354	
B.1 <u>Groundwater Monitoring plan</u> WAC 173-303-610(8)(b)(i) WAC 173-303-645	Chapter 3.0	<i>Post-Closure Groundwater Monitoring Plan for the 1324-N Surface Impoundment and 1324-NA Percolation Pond, PNNL-14354</i>
B.2 <u>Maintenance Activities</u> WAC 173-303-610(8)(b)(ii) Permit Condition II.F.2	Chapter 3.0	Permit Attachment 6
B.3 <u>Contacts</u> WAC 173-303-610(8)(b)(iii)	Chapter 6.0	
C. <u>Certification of Postclosure</u> WAC 173-303-610(11)	Chapter 7.0	
D <u>Training Plan (as appropriate)</u> WAC 173-303-330 Permit Condition II.C.3	Chapter 4.0	

24-Feb-04

Section/Requirement	Location in Permit Attachment 42	Alternate Location
E. <u>Contingency Plan (as appropriate)</u> WAC 173-303-350 Permit Condition II.A Permit Condition II.B		Permit Attachment 4, DOE/RL-94-02 Unit-Specific provisions are maintained in the Hanford Facility Operating Record, Unit-Specific File.
F. <u>Unit-Specific Operating Record</u> Permit Condition II.I.1		Hanford Facility Operating Record, Unit-Specific File maintained in accordance with DOE/RL-91-28, Table 12.1
G. <u>Inspections</u> (if applicable) Permit Condition II.O.1 Permit Condition II.O.2	Chapter 3.0, § 3.3	Well inspection records are maintained in site Hanford Well Information System (HWIS) database

The following Hanford Facility RCRA Permit (Permit) documentation is referenced below for the Hanford Waste Treatment and Immobilization Plant.

Attachment 51

Chapter 1.0	Part A	Class 2 Modification (24590-WTP-PCN-ENV-04-001)
Chapter 2.0	Unit Description	Class 2 Modification (24590-WTP-PCN-ENV-04-001)
Chapter 3.0	Waste Analysis Plan	Dated December 18, 2003
Chapter 4.0	Process Information	Class 2 Modification (24590-WTP-PCN-ENV-04-001)
Chapter 6.0	Procedures to Prevent Hazards	Class 2 Modification (24590-WTP-PCN-ENV-04-001)
Chapter 7.0	Contingency Plan	Dated December 18, 2003
Chapter 8.0	Personnel Training	Dated December 18, 2003
Chapter 11.0	Closure and Financial Assurance	Dated December 18, 2003

Permit Attachment 33

DOE/RL-91-28, General Information Portion, dated February 2004.

Section/Requirement		Location in Permit Attachment 51	Alternate Location
A.	Part A Form 806(2), 810(12)(a), 810(13) [270.10(d), 270.11(a) and (d), 270.13]	Chapter 1	
B	Facility Description and General Provisions 806(4)(a)(i),(x),(xi),(xviii) [270.14(b)(1),(10),(19)]		DWPA ¹ Chapter 2
B-1	General Description 806(4)(a)(i) [270.14(b)(1)]		DWPA Chapter 2, Section 2.1
B-1(a)	Facility Description		DWPA Chapter 2, Section 2.1.1
B-1(b)	Compliance Schedule	Appendix 1	
B-2	Topographic Map	Chapter 2	
B-2a	General Requirements 806(4)(a)(xviii) [270.14(b)(19)]		DWPA Chapter 2, Section 2.3.1
B-2b	Additional Requirements for Land Disposal Facilities	Not Applicable	
B-3	Seismic Consideration 806(4)(a)(xi) [270.14(b)(11)(i) and (ii), 264.18(a)]	Chapter 4, Supplement 1	
B-4	Traffic Information 806(4)(a)(x) [270.14(b)(10)]		Post Construction Traffic Analysis transmitted by letter 03-ED-171 on 12/29/2003
C.	Waste Analysis 806(4)(a)(ii) and (iii), 300 [270.14(3), 264.13(b) and (c)]	Chapter 3	
C-1	Chemical, Biological and Physical Analyses 806(4)(a)(ii), 806(4)(b)(ii) and (v); 806(4)(c)(x); 140; 300; 395; 630(7)(c) and (9); 640(1)(b), (2)(c), (3)(a), and (10) [270.14(b)(2), 264.13(a), 268.7, 268.9]	Chapter 3, Appendix 3A, Sections 3 and 4; and Chapter 3, Appendix 3B	
C-1a	Waste In Piles	Not Applicable	
C-1b	Landfilled Wastes	Not Applicable	
C-1c	Wastes Incinerated and Wastes Used in Performance Tests	Not Applicable	

Section/Requirement	Location in Permit Attachment 51	Alternate Location
C-2 Waste Analysis Plan 806(4)(a)(iii), 140, 300(5) and (6) [270.14(b)(3), 264.13(b) and (c), 268.7 and 268.9]	Chapter 3, Appendix 3A, Sections 3 and 4; and Chapter 3, Appendix 3B	
C-2a Detailed Chemical, Physical, and/or Biological Analysis	Chapter 3, Appendix 3A, Sections 3.2.6 and 3.3.5; and Chapter 3, Appendix 3B	
C-2a(1) Parameters and Rationale 806(4)(b)(ii)(A); 140 (LDR); 300(2), (5)(a), and (5)(f); 395(1) and (2); 630(7)(c); 640(1)(b), (2)(c) and (3)(a) [270.15(b)(1), 270.24, 270.25, 264.13(b)(1) and (8), 264.17, 264.191(b)(2), 264.192(a)(2), 264.1034(d), 264.1064(d), 268.7]	Chapter 3, Appendix 3A, Sections 3.2.6, 3.4.1, 3.4.2, 3.4.3, 3.4.4, and 4.3	
C-2a(2) Analytical Methods 110, 300(5)(b) [264.13(b)(2) and (8), Part 264 Subparts AA, BB, and CC]	Chapter 3, Appendix 3A, Sections 3.4.1, 3.4.2, 3.4.3, 3.4.4, and 4.4, and Table 3; and Chapter 3, Appendix 3B	
C-2a(3) Generator-Supplied Analyses 300(3), (5)(g), and (e) [264.13(b)(5)]	Chapter 3, Appendix 3A, Section 3.2.1	
C-2b Additional Requirements for Wastes Generated Off-site 806(4)(a)(iii), 300(6) [264.13(c)]	Not Applicable	
C-2b(1) Parameters and Rationale to Confirm Identity of Off-site Waste 300(3), (5)(a), and 5(g) [264.13(a)(4) and (b)(1)]	Not Applicable	
C-2b(2) Analytical Methods to Confirm Identity of Off-site Waste 300(3) and (5)(b) [264.13(b)(2)]	Not Applicable	
C-2b(3) Representative Sampling of Incoming Offsite Wastes 300(3) and (5)(c), 110(2) [264.13(b)(3), Part 261, Appendix I]	Not Applicable	
C-2c Methods for Collecting Samples for Detailed and Confirming Analyses 300(5)(c), 110(2) [264.13(b)(3), 264.1034(d), Part 261, Appendix I]	Chapter 3, Appendix 3A, Sections 3.3.2, 4.1, and 5.2.2	
C-2d Frequency of Analyses 300(4), (5)(d) [264.13(b)(4)]	Chapter 3, Appendix 3A, Sections 3.2.6.1, 3.3.1, and 4.1	
C-3 Manifest System 370 [264.71, 264.72]	Chapter 3, Appendix 3A, Sections 6	
C-3a Procedures for Receiving Shipments 370(2),(3),(4) [264.71]	Chapter 3, Appendix 3A, Sections 3.2 and Table 3A-1	
C-3b Response to Significant Discrepancies 370(4) [264.72]	Chapter 3, Appendix 3A, Section 3.2.4	

Section/Requirement	Location in Permit Attachment 51	Alternate Location
C-3c Provisions for Non-acceptance of Shipment 370(5)	Chapter 3, Appendix 3A, Section 3.2.4	
C-3c(1) Non-acceptance of Undamaged Shipment 370(5)(b)	Not Applicable	
C-3c(2) Activation of Contingency Plan for Damaged Shipment 370(5)(c)	Not Applicable	
C-4 Tracking System 380	Chapter 3, Appendix 3A, Section 7	
D. Process Information 806(4)(b) - (c), 630 through 670 [270.15 - 270.26, 264 Subparts I - BB]	Chapter 4 Miscellaneous Units (806)(4)(i) are addressed in Chapter 4	
D-1 Containers 806(4)(b), 630 [270.15, 264 Subpart I]	Chapter 4, Section 4.2.1	
D-1a Description of Containers 630(4) [264.172]	Chapter 4, Section 4.2.1.1	
D-1b Container Management Practices 630(5) and (8); 340(3) [264.35, 264.173]	Chapter 4, Section 4.2.1.2	
D-1c Container Labeling 806(4)(b)(iii), 395(6), 630(3)	Chapter 4, Section 4.2.1.3	
D-1d Containment Requirements for Storing Containers	Chapter 4, Section 4.2.1.4	
D-1d(1) Secondary Containment System Design 806(4)(b)(i) and (iv), 630(7) [270.15(a); 264.175(a), (b), and (d)]	Chapter 4, Section 4.2.1.4.1	
D-1d(1)(a) System Design 806(4)(b)(i), 630(7) (a) and (d) [270.15(a), 264.175(b)]	Chapter 4, Section 4.2.1.4.2	
D-1d(1)(b) Structural Integrity of Base 806(4)(b)(i), 630(7)(a) [270.15(a), 264.175(b)]	Chapter 4, Section 4.2.1.4.3	
D-1d(1)(c) Containment System Capacity 806(4)(b)(i)(A) and (C), 630(7)(a) [270.15(a)(3), 264.175(b)(3)]	Chapter 4, Section 4.2.1.4.4	
D-1d(1)(d) Control of Run-on 806(4)(b)(i)(D), 630(7)(b) [270.15(a)(4), 264.175(b)(4)]	Chapter 4, Section 4.2.1.4.5	
D-1d(2) Removal of Liquids from Containment System 806(4)(b)(i)(E), 630(7)(a)(ii) [270.15(a)(5), 264.175(b)(5)]	Chapter 4, Section 4.2.1.4.6	
D-1e Demonstration that Containment is Not Required Because Containers Do Not Contain Free Liquids, Wastes That Exhibit Ignitability or Reactivity, or Wastes Designated F020 - 023, F026, or F027 806(4)(b)(ii), 630(7)(c) [270.15(b)(2), 264.175(c)]	Chapter 4, Section 4.2.1.4.7	
D-1f Prevention of Reaction of Ignitable, Reactive, and Incompatible Wastes in Containers	Chapter 4, Section 4.2.1.5	

Section/Requirement	Location in Permit Attachment 51	Alternate Location
D-1f(1) Management of Certain Reactive Wastes in Containers 806(4)(b)(iv), 630(8)(a) [270.15(c), 264.176]	Chapter 4, Section 4.2.1.5	
D-1f(2) Management of Ignitable and Certain Other Reactive Wastes in Containers 806(4)(b)(iv), 630(8)(b) [270.15(c), 264.176]	Chapter 4, Section 4.2.1.5	
D-1f(3) Design of Areas to Manage Incompatible Wastes 806(4)(b) (iv), 630(9)(c) [270.15(c), 264.177]	Chapter 4, Section 4.2.1.5	
D-2 Tank Systems 806(4)(c), 640, 395(6) [270.16, 264.190 through 264.199, 264.1030 through 264.1065]	Chapter 4, Section 4.2.2	
D-2a Design, Installation, and Assessment of Tank Systems 806(4)(c)(i), (ii), (v), and (vi); 640(2) and (3) [270.16(a), (b), (e), and (f); 264.191; 264.192]	Chapter 4, Section 4.2.2.1	
D-2a(1) Design Requirements 640(2)(c), 640(3)(a) [264.191(b), 264.192(a)]	Chapter 4, Section 4.2.2.1.1	
D-2a(2) Integrity Assessments 640(2)(a), (c), and (e); (3)(a), (b), and (g) [264.191(a) and (b); 264.192(a), (b), and (g)]	Chapter 4, Section 4.2.2.3, and Appendices 8.11, 9.11, 10.11, 11.11	
D-2a(3) Additional Requirements for Existing Tanks 640(2)(a) and (c)(v) [264.191(a) and (b)(5)]	Not Applicable	
D-2a(4) Additional Requirements for New Tanks 640(c), (e), (f), and (g) [264.192(b), (d), and (e)]	Chapter 4, Section 4.2.2.5	
D-2a(5) Additional Requirements for New On-Ground or Underground Tanks 640(3)(a)(iii), (iv), and (v); 640(3)(d) [264.192(a)(3), (4), and (5); and (c)]	Chapter 4, Section 4.2.2.5.1	
D-2b Secondary Containment and Release Detection for Tank Systems 640(4), 806(4)(c)(vii) [270.16(g), 264.193]	Chapter 4, Section 4.2.2.6	
D-2b(1) Requirements for All Tank Systems	Chapter 4, Sections 4.2.2.6.1 and 4.2.2.6.2	
D-2b(2) Additional Requirements for Specific Types of Systems	Chapter 4, Section 4.2.2.6.3	
D-2b(2)(a) Vault Systems 640(4)(e)(ii) [264.193(e)(2)]	Not Applicable	
D-2b(2)(b) Double-Walled Tanks 640(4)(e)(iii) [264.193(e)(3)]	Not Applicable	
D-2b(2)(c) Ancillary Equipment 640(4)(f) [264.193(f)]	Chapter 4,	

Section/Requirement	Location in Permit Attachment 51	Alternate Location
D-2c Variances from Secondary Containment Requirements 640(4)(g) and (h); 640(1)(b); 806(c)(viii) [270.16(h); 264.193(g) and (h); 264.190(a)]	Not Applicable	
D-2d Tank Management Practices 806(4)(c)(iii), (iv), (ix); 640(5)(a) and (b) [270.16(c), (d), and (i); 264.194(a) and (b)]	Chapter 4, Section 4.2.2.8	
D-2e Labels or Signs 806(4)(c)(xi), 395(6), 640(5)(d)	Chapter 4, Section 4.2.2.9	
D-2f Air Emissions 806(4)(c)(xii), 640(5)(e)	Chapter 4, Section 4.2.2.10	
D-2g Management of Ignitable or Reactive Waste in Tank Systems 806(4)(c)(x), 640(9) [270.16(f), 264.198]	Chapter 4, Section 4.2.2.11	
D-2h Management of Incompatible Waste in Tank Systems 806(4)(c)(x), 640(10) [270.16(f), 264.199]	Chapter 4, Section 4.2.2.11	
D-3 Waste Piles	Not Applicable	
D-4 Surface Impoundments	Not Applicable	
D-5 Incinerators	Not Applicable	
D-6 Landfills	Not Applicable	
D-7 Land Treatment	Not Applicable	
D-8 Air Emissions Control 806(4)(j) and (k), 110 (test methods), 690, 691 [270.24, 270.25, Part 264 Subparts AA, BB, and CC]	Chapter 4, Section 4.3.6 and 4.2.2.10	
D-8a Process Vents 806(4)(j), 110, 690 [270.24, 264.1030 - 264.1035 (Subpart AA)]	Chapter 4, Sections 4.3.6 and 4.2.2.10.2	
D-8b Equipment Leaks 806(4)(k), 110, 691 [270.25, 264.1050 - 264.1064, 264.1033, 264.1034(c), 264.1035(b) and (c)]	Chapter 4, Sections 4.3.6 and 4.2.2.10.3	
D-8c Tanks and Containers [270.27, 270.15, 270.16, Part 264 Subpart CC]	Chapter 4, Sections 4.3.6 and 4.2.2.10.4	
D-8c(1) Applicability of Subpart CC Standards [264.1080, 264.1082]	Chapter 4, Sections 4.3.6 and 4.2.2.10.4	
D-8c(2) Tank Systems and Container Areas-Demonstrating Compliance Provide the documentation required by •270.27(a)(1) - (a)(3) and (a)(5) - (a)(6).	Not Applicable	
D-9 Waste Minimization [264.73(b)(9), 264.75(h) and (i)]		DWPA Chapter 10
D-10 Groundwater Monitoring for Land-based Units	Not Applicable	
E. Releases from Solid Waste Management Units 806(4)(a)(xxiii) and (xxiv), 645, 646 [270.14(d)]	Not Applicable	Permit Attachment 33, DOE/RL-91-28, §2.5 and Appendix 2D
E-1 Solid Waste Management Units and Known and Suspected Releases of Dangerous Wastes or Constituents	Not Applicable	Permit Attachment 33, DOE/RL-91-28, §2.5 and Appendix 2D

Section/Requirement	Location in Permit Attachment 51	Alternate Location
E-2 Corrective Actions Implemented (If you have been conducting corrective action under a RCRA Section 3008(h), 7003, or 3013 order; under a Model Toxics Control Act (MTCA) order; as an independent MTCA cleanup; or under another authority.)	Not Applicable	
F. Procedures to Prevent Hazards 806(4)(a)(iv),(v),(vi),(viii),(ix), 310, 320, 340 [270.14(b)(4),(5),(6),(8); 264.14, 264.15, 264.17, 264.30 - 264.35]	Chapter 6	
F-1 Security 806(4)(a)(iv), 310(1) and (2) [270.14(b)(4), 264.14]	Chapter 6, Section 6.1	Permit Attachment 33, DOE/RL-91-28, §6.1
F-1a Security Procedures and Equipment 806(4)(a)(iv), 310(2) [270.14(b)(4), 264.14]	Chapter 6, Section 6.1.1	
F-1b Waiver 310(1) [264.14(a)]	Chapter 6, Section 6.1.2	
F-2 Inspection Plan 806(4)(a)(v), 320, 340 [270.14(b)(5), 264.15]	Chapter 6, Section 6.2	
F-2a General Inspection Requirements 806(4)(a)(v), 320(1), 320(2)(a),(b) and (c), 340(1)(d) [270.14(b)(5), 264.15(a) and (b), 264.33, 264.34, 264.35]	Chapter 6, Section 6.2.1	
F-2b Inspection Log 320(2)(d) [264.15(d)]	Chapter 6, Section 6.2.2	
F-2c Schedule for Remedial Action for Problems Revealed 320(3) [264.15(c)]	Chapter 6, Section 6.2.3	
F-2d Specific Process or Waste Type Inspection Requirements	Chapter 6, Section 6.2.4	
F-2d(1) Container Inspections 806(4)(a)(v), 630(3) and (6), 320(2)(c) and (3) [270.14(b)(5), 264.15(c), 264.174]	Chapter 6, Section 6.2.4.1 and Chapter 6, Appendix 6A	
F-2d(2) Tank System Inspections and Corrective Actions 640(6) and (7) [270.14(b)(5), 264.195]	Chapter 6, Section 6.2.4.2 and Chapter 6, Appendix 6A	
F-2d(3) Storage of Ignitable or Reactive Wastes 806(4)(a)(v), 395(1)(d) [no equivalent federal requirement]	Chapter 6, Section 6.2.4.4	
F-2d(4) Air Emissions Control and Detection - Inspections, Monitoring, and Corrective Actions 806(4)(a)(v) [270.14(b)(5), 264.1033 (e) - (k); 264.1035; 264.1052; 264.1053; 264.1058; 264.1064; 264.1067, 264.1088, 264.1091]	Chapter 6, Section 6.2.4.5	
F-2d(4)(a) Process Vents 806(4)(a)(v) [264.1033; 264.1034(b) and (c); 264.1035(b)(3), (b)(4), and (c)]	Chapter 6, Section 6.2.4.5	

Section/Requirement	Location in Permit Attachment 51	Alternate Location
F-2d(4)(b) Equipment Leaks 806(4)(a)(v) [264.1052 - 264.1064]	Chapter 6, Section 6.2.4.5	
F-2d(4)(c) Tanks and Containers [270.14(b)(5), 270.27((a)(6), 264.1088, 264.1091]	Chapter 6, Section 6.2.4.5	
F-2d(5) Waste Pile Inspection	Not Applicable	
F-2d(6) Surface Impoundment Inspection	Not Applicable	
F-2d(7) Incinerator Inspection	Not Applicable	
F-2d(8) Landfill Inspection	Not Applicable	
F-2d(9) Land Treatment Facility Inspection	Not Applicable	
F-3 Preparedness and Prevention Requirements 806(4)(a)(vi), 340 [270.14(b)(6), Part 264 Subpart C]	Chapter 6, Section 6.3	
F-3a Equipment Requirements 340(1) and (2) [264.32, 264.34]	Chapter 6, Section 6.3.1	
F-3b Aisle Space Requirement 340(3) [264.35]	Chapter 6, Section 6.3.2	
F-4 Preventive Procedures, Structures, and Equipment 806(4)(a)(viii) [270.14(b)(8)]	Chapter 6, Section 6.4	
F-5 Prevention of Reaction of Ignitable, Reactive, and/or Incompatible Wastes 806(4)(a)(ix), (b)(v), and (c)(x); 395(1)(a), (b) and (c); 630(9)(a) and (b); 640(9)(10) [270.14(b)(9), 264.17(a) and (b), 264.177(a) and (b)]	Chapter 6, Section 6.5	
F-5a Precautions to Prevent Ignition or Reaction of Ignitable or Reactive Waste 806(4)(a)(ix), 395(1)(a) and (c) [270.14(b)(9), 264.17(a)]	Chapter 6, Section 6.5	
F-5b Precautions for Handling Ignitable or Reactive Waste and Mixing Incompatible Wastes 806(4)(a)(ix), (b)(v), and (c)(x); 395(1)(b) and (c); 630(9)(a) and (b); 640(9) and (10) [270.14(b)(9), 264.17(b), 264.177(a) and (b)]	Chapter 6, Section 6.5	
F-5b(1) Ignitable or Reactive Wastes In Tanks 806(4)(c)(x), 640(9) [270.16(j), 264.198]	Chapter 6, Section 6.5	
F-5b(2) Incompatible Wastes In Containers or Tanks 806(4)(b)(v) and (4)(c)(x), 630(9) (a) and (b), 640(10) [270.15(d), 270.16(j) 264.17(b) and (c), 264.177(a) and (b), 264.199]	Chapter 6, Section 6.5	
G. Contingency Plan 806(4)(a)(vii), 340, 350, 360, 640(7), 650(5), 660(6) [270.14(b)(7), 264.50 through 264.56]	Chapter 7	
G-1 General Information	Chapter 7	
G-2 Emergency Coordinators 350(3)(d), 360(1) [264.52(d), 264.55]	Chapter 7, Table 7-1	

Section/Requirement	Location in Permit Attachment 51	Alternate Location
G-3 Circumstances Prompting Implementation 350(1) and (2), 360(2) [264.51, 264.52(a), 264.56(a) and (b)]	Chapter 7, Table 7-1	
G-4 Emergency Response Procedures 350(3)(a) and (b), 360(2)(a),(b), and (c) [264.52(a), 264.56]	Chapter 7, Table 7-1	
G-4a Notification 360(2)(a) [264.56(a)] Note that the facility must also notify under WAC 173-303-145.	Chapter 7, Table 7-1	
G-4b Identification of Dangerous Materials 360(2)(b) [264.56(b)]	Chapter 7, Table 7-1	
G-4c Hazard Assessment and Report 360(2)(c),(d), and (e) [264.56(c) and (d)]	Chapter 7, Table 7-1	
G-4d Prevention of Recurrence or Spread of Fires, Explosions, or Releases 360(2)(f) and (g), 630(2), 640(7) [264.56(e) and (f), 264.171, 264.196]	Chapter 7, Table 7-1	
G-4f Post-Emergency Actions 360(2)(h),(i),(j), and (k); 640(7) [264.56(g) and (h)]	Chapter 7, Table 7-1	
G-5 Emergency Equipment 350(3)(e) [264.52(e)]	Chapter 7, Table 7-1	
G-6 Coordination Agreements 350(3)(c), 340(4) [264.52(c), 264.37]	Chapter 7, Table 7-1	
G-7 Evacuation Plan 350(3)(f), 355 [264.52(f)]	Chapter 7, Table 7-1	
G-8 Required Reports, Recordkeeping, and Certifications 360(2)(k), 640(7)(d)(iii), 640(7)(f) [264.56(j)]	Chapter 7, Table 7-1	
G-8a General Requirements	Chapter 7, Table 7-1	
G-8b Requirements for Tank Systems	Chapter 7, Table 7-1	
H. Personnel Training 806(4)(a)(xii), 330 [270.14(b)(12), 264.16]	Chapter 8	
H-1 Job Title/Job Description 330(2)(a) [264.16(d)(1) and (2)]	Chapter 8, Table 8-1	
H-2 Outline of Training Program 806(4)(a)(xii), 330(1) and (2)(b) [270.14(b)(12); 264.16(a)(1),(c), and (d)(3)]	Chapter 8, Section 8.1	
H-3 Implementation of Training Program 330(1)(c), 330(2)(c), 330(3) [264.16(b)]	Chapter 8	
I. Closure and Financial Assurance 806(4)(a)(xiii), 610, 620 [270.14(b)(15), 264.142, 264.143, 264.151]	Chapter 11	

Section/Requirement	Location in Permit Attachment 51	Alternate Location
I-1 Closure Plan/Financial Assurance for Closure 806(4)(a)(xiii), 610(2) - (6) [270.14(b)(13), 264.111, 264.112]	Chapter 11	
I-1a Closure Performance Standard 610(2)(b) [264.111]	Chapter 11, Section 11.2	
I-1b Closure Activities 610(3)(a)(i) through (vi); 610(5); 630(10); 640(5) [264.112(b)(1), 264.112(b)(4), 264.114, 264.178, 264.197]	Chapter 11, Section 11.3	
I-1b(1) Maximum Extent of Operation	Chapter 11, Section 11.3.1	
I-1b(2) Removing Dangerous Wastes	Chapter 11, Section 11.3.2	
I-1b(3) Decontaminating Structures, Equipment, and Soil	Chapter 11, Section 11.3.3	
I-1b(4) Sampling and Analysis to Identify Extent of Decontamination/ Removal and to Verify Achievement of Closure Standard	Chapter 11, Section 11.3.4	
I-1b(4)(a) Sampling to Determine Extent of Contamination	Chapter 11, Section 11.3.4.1	
I-1b(4)(b) Sampling to Confirm Decontamination of Structures and Soils	Chapter 11, Section 11.3.4.2	
I-1b(5) Other Activities 610(3)(vi)	Chapter 11, Section 11.4	
I-1c Maximum Waste Inventory 610(3)(a)(iii) [264.112(b)(3)]	Chapter 11, Section 11.5	
I-1d Closure of Tanks, Container Storage, Containment Buildings, and Miscellaneous Units	Chapter 11, Section 11.6	
I-1e Closure of Landfill Units	Not Applicable	
I-1f Schedule for Closure 610(3)(a)(vii) [264.112(b)(6)]	Chapter 11, Section 11.7	
I-1g Extension for Closure Time 610(4)(a), 610(4)(b) [264.113(a), 264.113(b)]	Chapter 11, Section 11.8	
I-1h Closure Cost Estimate 806(4)(a)(xv), 620(3) [270.14(b)(15), 264.142]	Not Applicable	
I-1i Financial Assurance Mechanism for Closure 806(4)(a)(xv), 620(4) and (10) [270.14(b)(15), 264.143, 264.151]	Not Applicable	
I-2 Notice in Deed of Already Closed Disposal Units 806(4)(a)(xiv), 610(10) [270.14(b)(14), 264.120, 264.117(c), 264.119]	Not Applicable	
I-3 Post-Closure Plan	Not Applicable	
I-4 Liability Requirements 806(4)(a)(xvii), 620(8), 620(10) [270.14(b)(17), 264.147, 264.151]	Not Applicable	Permit Condition II.H.3

Part III: Checklist

24-Feb-04

**Attachment 51
Hanford Waste Treatment and Immobilization Plant**

Section/Requirement		Location in Permit Attachment 51	Alternate Location
J.	Other Federal and State Laws 806(4)(a)(xix) [270.14(b)(20), 270.3]	Not Applicable	DWPA Chapter 13
K.	Part B Certification 806(4)(a), 810(12) and (13) [270.11]	Not Applicable	Provided with Permit renewal transmittal

¹ WTP *Dangerous Waste Permit Application* (DOE/RL-2001-64) dated November 28, 2001, and submitted to Ecology on November 28, 2001 (01-EMD-038)

Enclosure

Certification Statements

1 Certification

2 Department of Energy, Richland Operations Office / Fluor Hanford, Inc.

3 For the purposes of this Permit renewal application, the Permittees and Ecology have agreed to use
4 'Checklists' (requirements listing) to identify areas within the existing Permit, with modifications, that will
5 be used to satisfy the requirements for Permit renewal. The Department of Energy, Richland Operations
6 Office, and Fluor Hanford, Inc. are certifying the information identified on the Checklists for the
7 following: Hanford Facility Dangerous Waste Permit Application, General Information Portion
8 (DOE/RL-91-28) as it applies to Fluor Hanford, Inc. managed facilities and activities, PUREX Storage
9 Tunnels, 200 Area Effluent Treatment Facility and Liquid Effluent Retention Facility. (Units undergoing
10 closure/postclosure per TPA Section 5.3 [300 Area Process Trenches and 183-H Solar Evaporation
11 Basins], do not require certification in accordance with WAC 173-303.)

12 *For those facilities requiring certification in accordance with WAC 173-303, I certify under*
13 *penalty of law that this document and all attachments, relevant to facilities managed by Fluor*
14 *Hanford, Inc., were prepared under my direction or supervision in accordance with a system*
15 *designed to assure that qualified personnel properly gather and evaluate the information*
16 *submitted. Based on my inquiry of the person or persons who manage the system, or those*
17 *persons directly responsible for gathering the information, the information submitted is, to the*
18 *best of my knowledge and belief, true, accurate, and complete. I am aware that there are*
19 *significant penalties for submitting false information, including the possibility of fine and*
20 *imprisonment for knowing violations.*

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27 Owner/Operator
28 Keith A. Klein, Manager
29 U.S. Department of Energy
30 Richland Operations Office
31

3/30/04

Date

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37 Co-operator
38 Ronald G. Gallagher
39 President and
40 Chief Executive Officer
41 Fluor Hanford, Inc.

2 / 24 / '04

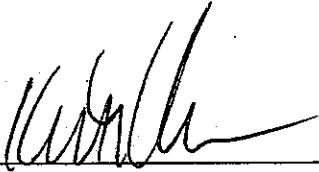
Date

1 **Certification**

2 **Department of Energy, Richland Operations Office / Bechtel Hanford, Inc.**

3 For the purposes of this Permit renewal application, the Permittees and Ecology have agreed to use
4 'Checklists' (requirements listing) to identify areas within the existing Permit, with modifications, that will
5 be used to satisfy the requirements for Permit renewal. The Department of Energy, Richland Operations
6 Office, and Bechtel Hanford, Inc. are certifying the information identified on the Checklist for the
7 following: Hanford Facility Dangerous Waste Permit Application, General Information Portion (DOE/RL-
8 91-28) as it applies to Bechtel Hanford, Inc. facilities and activities. (For units undergoing
9 closure/postclosure per TPA Section 5.3 [1301-N & 1325-N Liquid Waste Disposal Facilities
10 and 1324-N Surface Impoundment and 1324-NA Percolation Pond], do not require certification in
11 accordance with WAC 173-303.)

12 *For those facilities requiring certification in accordance with WAC 173-303, I certify under*
13 *penalty of law that this document and all attachments, relevant to facilities managed by Bechtel*
14 *Hanford, Inc., were prepared under my direction or supervision in accordance with a system*
15 *designed to assure that qualified personnel properly gather and evaluate the information*
16 *submitted. Based on my inquiry of the person or persons who manage the system, or those*
17 *persons directly responsible for gathering the information, the information submitted is, to the*
18 *best of my knowledge and belief, true, accurate, and complete. I am aware that there are*
19 *significant penalties for submitting false information, including the possibility of fine and*
20 *imprisonment for knowing violations.*

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27 Owner/Operator
28 Keith A. Klein, Manager
29 U.S. Department of Energy
30 Richland Operations Office
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Date

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38 Co-operator
39 T. E. Logan, President
40 Bechtel Hanford, Inc.

2/25/04

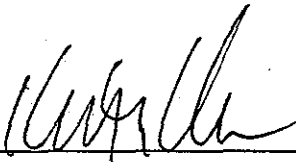
Date

Certification

Department of Energy, Richland Operations Office / Pacific Northwest National Laboratory

For the purposes of this Permit renewal application, the Permittees and Ecology have agreed to use 'Checklists' (requirements listing) to identify areas within the existing Permit, with modifications, that will be used to satisfy the requirements for Permit renewal. The Department of Energy, Richland Operations Office, and Pacific Northwest National Laboratory are certifying the information identified on the Checklists for the following: Hanford Facility Dangerous Waste Permit Application, General Information Portion (DOE/RL-91-28) as it applies to Pacific Northwest National Laboratory facilities and activities, 325 Hazardous Waste Treatment Units, and 305-B Storage Facility.

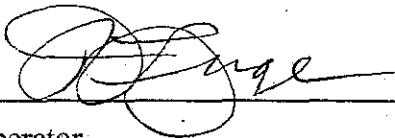
For those facilities requiring certification in accordance with WAC 173-303, I certify under penalty of law that this document and all attachments, relevant to facilities managed by Pacific Northwest National Laboratory, were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Owner/Operator
Keith A. Klein, Manager
U.S. Department of Energy
Richland Operations Office

3/30/04

Date



Co-operator
Roby D. Enge, Director
Environment, Safety, Health & Quality
Pacific Northwest National Laboratory

2/25/04

Date

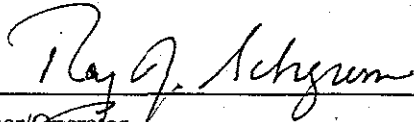
242 A Evaporator Permit Application Renewal

Certification

Department of Energy, Richland Operations Office / Office of River Protection /
CH2M HILL Hanford Company

For the purposes of this Permit renewal application, the Permittees and Ecology have agreed to use 'Checklists' (requirements listing) to identify areas within the existing Permit, with modifications, that will be used to satisfy the requirements for Permit renewal. The Department of Energy, Richland Operations Office; and U.S. Department of Energy, Office of River Protection; and CH2M-HILL Hanford Company are certifying the information identified on the Checklist for the following: Hanford Facility Dangerous Waste Permit Application, General Information Portion (DOE/RL-91-28) as it applies to CH2M-HILL Hanford Company facilities and activities, and 242-A Evaporator.

For those facilities requiring certification in accordance with WAC 173-303, I certify under penalty of law that this document and all attachments, relevant to facilities managed by CH2M-HILL Hanford Company, were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Owner/Operator
R. J. Schepens, Manager
U.S. Department of Energy
Office of River Protection

3/19/04

Date



Co-operator
E.S. Aromi, Jr.
President and Chief Executive Officer
CH2M-HILL Hanford Company

3/16/04

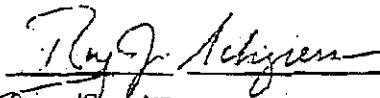
Date

1 Certification

2 Department of Energy, Richland Operations Office / Office of River Protection /
3 Bechtel National, Inc.

4 For the purposes of this Permit renewal application, the Permittees and Ecology have agreed to use
5 'Checklists' (requirements listing) to identify areas within the existing Permit, with modifications, that will
6 be used to satisfy the requirements for Permit renewal. The Department of Energy, Richland Operations
7 Office, and U.S. Department of Energy, Office of River Protection; and Bechtel National, Inc. are
8 certifying the information identified on the Checklist for the following: Hanford Facility Dangerous Waste
9 Permit Application, General Information Portion (DOE/RL-91-28) as it applies to Bechtel National, Inc.
10 facilities and activities, and Hanford Tank Waste Treatment and Immobilization Plant.

11 *For those facilities requiring certification in accordance with WAC 173-303, I certify under*
12 *penalty of law that this document and all attachments, relevant to facilities managed by Bechtel*
13 *National, Inc., were prepared under my direction or supervision in accordance with a system*
14 *designed to assure that qualified personnel properly gather and evaluate the information*
15 *submitted. Based on my inquiry of the person or persons who manage the system, or those*
16 *persons directly responsible for gathering the information, the information submitted is, to the*
17 *best of my knowledge and belief, true, accurate, and complete. I am aware that there are*
18 *significant penalties for submitting false information, including the possibility of fine and*
19 *imprisonment for knowing violations.*

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24 ~~Owner/Operator~~
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26 R. J. Schepens, Manager
27 U.S. Department of Energy
28 Office of River Protection
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3/25/04

Date

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35
36 Co-operator
37 J. P. Henschel
38 Project Director
39 Bechtel National, Inc.

3/25/04

Date